STIC-Biotech/ChemLib

31954

From:

Whiteman, Brian

Sent:

Wednesday, September 08, 2004 12:54 PM

To:

STIC-Biotech/ChemLib

Subject:

seg search

09/729,264 Welcher et al., 11/28/00

Please perform an olimoger search againts SEQ ID NOs: 1, 3 and 5.

If possible limit search to at least 16 nucleotides or more.

Thank you,

Brian Whiteman Remsen, 2D14 mail box 2C18 Patent Examiner - Art Unit 1635 United States Patent and Trademark Office (571) 272-0764 CREW

STAFF USE ONLY

Searcher:
Searcher Phone: 2Date Searcher Picked up:
Date Completed:
Searcher Prep/Rev. Time:
Online Time:

Type of Search

NA Sequence: #_____

AA Sequence : #_____

Structure: #_____

Bibliographic: _____

Litigation: _____

Patent Family: _____

Other: _____

Vendors and cost where applicable STN:

DIALOG:
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SEQUENCE SYSTEM:
WWW/Internet:
Other(Specify):

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BX399881 BX399881
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		Emai]	l: segre	ef@denc	10080	e.cns.fr. Web : w	www.genoscope.cns.fr	
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http://www.genoscope.cns.fr/ cgi-bin/cluster.cgi?seq=CSODIO85BA12QP1&cluster=10299.f. Contact : Feng Liang Email : fliang@lifetech.com URL :

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AATACAACTGTAGTATAG
Homo sapiens (human)
                                                                                                                   Contact: Genoscope
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                                                                        /mol_type="mRNA"
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/clone="tcSoDIOBSYA21"
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llarity 100.0%; Pred. No. 1.3e-295;
Conservative 0; Mismatches 0;
                   Faraday Avenue Genoscope sequence
Location/Qualifiers
    http://fulllength.invitrogen.com/
                                                            'organism="Homo sapiens"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CSOINGSYCO1"
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/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="lst strand cDNA was primed with a NotI-oligo (dT)
primer: Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
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Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1201)
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                                                                                                                                                                                                            Genoscope - Centre National de Sequencage
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqrefégenoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f
Contact: Frang Liang Email: fliangelifetech.com VRL:
http://fulllength.invitrogen.com/ InVitroGen.com/ TRL:
Faraday Avenue Genoscope sequence ID: CSODIO35ABOIQPI.
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                                                                                                 Li. W.B., Gruber, C., Jessee, J. and Polayes, D. Full-length cDNA libraries and normalization Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      42.4%; Score 498; DB 13; I 100.0%; Pred. No. 1.5e-237; ive 0; Mismatches 0;
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BX403420

941 bp mRNA linear EST 13-MAY-2003
BX403420 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA
clone CSODI085YA24 5-PRIME, mRNA sequence.
     1092 CGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAG 1151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Email: segref@genoscope.cns.fr. Web : www.genoscope.cns.fr
division of Invitrogen. This sequence belongs to sequence cluster
10299.f, and it belongs to a clone representative of this cluster.
Intp://www.genoscope.cns.fr/
http://www.genoscope.cns.fr/
Feng Liang Email: fliangalifetech.com URL:
http://fulllength.invitrogen.com/InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSSAA017E02EMI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa, Chordata, Craniata; Vertebrata, Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1. (bases 1 to 91)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
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/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="lst strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
                                                        451 CGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGAGAAG
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100.0%; Pred. No. 4.6e-210;
tive 0; Mismatches 0;
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Genoscope - Centre National de Seguencage
BP 191 91006 EVRY cedex - France
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                                                                                                             1152 GTCAGTAATACAACTGTAGTATAG 1175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /mol_type="mRNA"
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/clone="CS0DI085YA24"
                                                                                                                                                            511 Grcagratacaacreragratag
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                         BX370118

BX370118 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA clone CS0DI076XN22 5-PRIME, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /tissue type="PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens primed with a NotI-oligo (dT)
primer. Five prime end enriched, double-strand cDNA was
digested with NotI and cloned into the NotI and ECOR V
sites of the pCMVSPORT 6 vector. Library was normalized."
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                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 917)
1 "A" B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
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                                                                                                                                                                                                                                                                                                                                                                                                                            Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
BR ail: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 2250.r For
more information about this cluster, see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSOBAG037ZE05_CS03493_2&cluster=2250.r.
Contact : Feng Liang Bmail : fliang@llfetech.com URL :
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
Faraday Avenu Genoscope sequence ID : CSOBAG037ZE05_CS03493_2.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TGTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTCGTTGTTGTGGCTGCAACTGCTGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      672 ACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGGTTTTTCA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       organism="Homo sapiens"
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/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   clone="CS0DI076YN22"
                                                                                                                                   BX370118.1 GI:30447910
                                                                                                                                                                                   sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Genoscope
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BG740428 178-WAY-2001 100.02633817F1 NCI_CGAP_Skn3 Homo sapiens cDNA clone IMAGE:4778789 5',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       439 cescracaarrcacargaacaaaaacacacacacacceccrrcrcccrcccaaarccrc 498
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /mol type="mmm" hours septems
/mol type="mmm" hours septems
/db_xref="taxon:9606"
/db_cref="taxon:9606"
/lab_host="MHGB:4778789"
/lab_host="MHGB:4778789"
/lab_host="MHGB (T1 phage-resistant)"
/clone lib="NGI CGAP Skn3"
/note="Organ: skin; Vector: pCMV-SPORT6; Site_1: NotI;
/note: pcmv-sport6; Vector: pcmv-sport6;
   GTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTCGTTGTTGTGCGCTGCAACTGCTGCT
                                                                                                                                                                                972
                                                                                                                                                                                                            Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

    (bases 1 to 725)

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                                                              GCCGTTGTTTCTGCTGTAGAAGAAAAAGAGGATTTCGTATTCAATTTCAAAAGAAAT
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National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: James Cleaver, M.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LINL) Di
Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can l
found through the I.M.A.G.E. Consortium/LINL at:
Plate: LiAM10635 row: b column: 06
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100.0%; Pred. No. 5.3e-122;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                       ACAATTCAGATGAACAAAAGACCACAGA 1000
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Location/Qualifiers
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BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f, and
it belongs to a clone representative of this cluster. For more
information about this cluster and the virtual cDNA, see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BX370209 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA clone CS0DI085YA24 5-PRIME, mRNA sequence.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="Ist strand cDNA was primed with a NotI-Oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        http://www.genoscope.cns.fr/
cgi.bin/cluster.cgi?seg=CSOBAG039ZE05 CSO3685 l&cluster=10299.f.
Contact : Feng Liang Email : fliang@lTfetech.com URL :
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSOBAG039ZE05_CSO3685_1.
Location/Qualifiers
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crinaccirraccerccaagirareseascicircricarirccaagicarinaticiratica
                                                                                                 CTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCCAGTGTTAATCTTGTAGTCG
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1 (bases 1 to 970)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length CubNA libraries and normalization
Contact: Genoscope
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100.0%; Pred. No. 1.7e-152;
iive 0; Mismatches 0;
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0D1085YA24"
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Genoscope - Centre National de Sequencage
BP 191 91006 ENRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f,
it belongs to a clone representative of this cluster. For more
information about this cluster and the virtual cDNA, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0BAG039ZE05_CS03685_Z&cluster=10299.f.
Contact: Feng Liang Email: fliang@lifetech.com URL:
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSOBAG039ZE05_CS03685_2.
Location/Qualifiers
                                                                                                                                                                                                              BX370210
BX370210 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA Clone CS0DI085YA24 5-PRIME, mRNA sequence.
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                          618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /tissue type="PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="lst strand cDNA was primed with a NotL-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and BCOR V
sites of the pCMVSFORT 6 vector. Library was normalized."
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1 (bases 1 to 1148)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
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CCAAGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGG
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                                                                   1148 GAAGGTCAGTAATACAACTGTAGTATA 1174
                                                                                           619 GAAGGTCAGTAATACAACTGTAGTATA 645
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Harrington, J., Sherf, B., Rundlett, S., Jackson, P.D., Perry, R., Harrington, J.J., Sherf, B., Rundlett, S., Jackson, P.D., Perry, R., Cain, S., Leventhal, C., Thornton, M., Ramachandran, R., Muttington, J., Lerner, L., Costanzo, D., McBlligott, K., Boozer, S., Mays, R., Smith, B., Veloso, N., Klika, A., Hess, J., Cothren, K., Lo, K., Coffenbacher, J., Danzig, J. and Ducar, M. Creation of genome-wide protein expression libraries using random activation of gene expression activation of gene expression Nat. Biotechnol. 19 (5), 440-445 (2001)
BG206666 21-APR-2001 RST26117 Athersys RAGE Library Homo sapiens CDNA, mRNA sequence.
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Pan troglodytes DNA, clone: PTB-060F12.F, genomic survey sequence.
AG069679
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Pan.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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/db xref="taxon.9606"
/db xref="taxon.9606"
/cell_line="HT1080"
/clone_lib="Athersys RAGE Library"
/note="See 'Creation of Genome-wide Protein Expression
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100.0%; Pred. No. 4.6e-63;
tive 0; Mismatches 0;
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Location/Qualifiers
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Pan troglodytes
                                                                                                           BG206666.1 GI:13728353
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Scott J. Cain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE
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624
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                                                                                                                                                                                                                                                            /mol_type="genomic_DNA"
/db_xref="taxon:9598"
/clone="PTB-112N07.F"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0D1035YC01"
                                                                                                                                                                                                    Location/Qualifiers
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BX358189.1 GI:30370198
                                                                                                        Sequencing: -21M13
                                                                      clone tracking errors.
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BX358189/c
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                                                                                                                                        Submitted (02-AUG-2001) Asao Fujiyama, The Institute of Physical and Chemical Research (RIKEN), Genomic Sciences Center (GSC); 1-7-22 Suchiro-chou, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan (E-mail:chimpbes@gsc.riken.go.jp, URL:http://hgp.gsc.riken.go.jp/, Tel:81-45-503-9111, Fax:81-45-503-9170) Clones are derived from the chimpanzee BAC library PTB This BAC end was generated during the R&D process and may have higher chance of
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Totoki, Y., Watanabe, H. and Sakaki, Y.
Direct Submission
Submitsed (102-4002-2001) Asao Fujiyama, The Institute of Physical
and Chemical Research (RIKEN), Genomic Sciences Center (GSC);
1-7-22 Suehiro-chou, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
(E-mail:chimpbes@gsc.riken.go.jp, URL:http://hgp.gsc.riken.go.jp/,
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Pan troglodytes DNA, clone: PTB-112N07.F, genomic survey sequence.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Pan.
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BAC end sequences of Library PTB
                                                                                      Taylor, T.D., Yada, T.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /sex="male"
/cell_type="lymphoblast"
/clone_lib="PTB Chimpanzee Male BAC Library"
Totoki,Y., Watanabe,H. and Sakaki,Y.
BAC end sequences of Library PTB
Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Pan troglodytes"
/mol_type="genomic DNA"
/db_xref="taxon:9598"
/clone="PTB-060F12.F"
                                                                                Fullyama, A., Hattori, M., Toyoda, A.,
Totoki, Y., Watanabe, H. and Sakaki, Y.
Direct Submission
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                                                                    (bases 1 to 622)
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Best Local Similarity 100.
Matches 146, Conservative
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R.Site 2
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Tel:81-45-503-9111, Fax:81-45-503-9170)
Clones are derived from the chimpanzee BAC library PTB This BAC end
was generated during the R&D process and may have higher chance of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  538
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1 (bases 1 to 1201)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Pull-length cDNA libraries and normalization
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /tissue_type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="libt strand cNDA was primed with a NoII-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              479 GGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCT
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Genoscope - Centre National de Sequencage
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Bmail: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f
Contact : Feng Liang Email : fliang@lifetech.com URL :
http://full.ength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSODIO35ABOINPI.
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// sell type="lymphoblast"
// sell type="lymphoblast"
// sellib="PTB Chimpanzee Male BAC Library"
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100.0%; Pred. No. 1.9e-61;
cive 0; Mismatches 0;
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/organism="Pan troglodytes"
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Wed Sep 15 10:41:06 2004

1135

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1076 CCAGCGGGCTGATCAACGTCCACCCAGCCAGCCAAGTCATCCACCAGGCTTCTTTAATCT
                                                                1136 GGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1175
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                                    73
                                                                                                   133
                                                                                                                                                                                                      DEFINITION
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                                                                                                                                                                   811 GCCCTCCTCACCAGGGGGCTGATCAACGTCCACCCAGGCAAGTCATCCACAGGCTT 752
      digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."
                                                                                                                                                                                                                                                                                                                    185 bp mRNA linear EST 14-FEB-195
yw95h05.rl Soares placenta 8to9weeks_2NbHP8to9W Homo sapiens CDNA
clone IMAGE:260025 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Seq primer: T7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 (bases 1 to 185)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and
Wilson,R.
                                                                                                          Gaps
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                                                                                                                                                                                                                                  751 CITITAATCIGGCCAGICCTGAGAAGGTCAGIAATACAACTGTAGTATAG 702
                                                                                                        .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
                                                                       Length 1201;
                                                                                                        0; Indels
                                                                       9.4%; Score 110; DB 13;
llarity 100.0%; Pred. No. 2.3e-43;
Conservative 0; Mismatches 0;
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The WashU-Merck EST Project
                                                                                                                                                                                                                                                                                                                                                                              N47851
N47851.1 GI:1189017
                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unpublished (1995)
Contact: Wilson RK
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                                                                                          1 Similarity
110; Conserv
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KEYWORDS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM
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JOURNAL
COMMENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AUTHORS
                                                                                                                                                                                                                                                                                               RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE
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1076 CCAGCGGGCTGATCAACGTCCACCCAGCCAGCAAGTCATCCACAGGCTTCTTTAATCT 1135
                                                                                                                 234 bp mRNA linear EST 05-APR-1996 za66f09.rl Soares fetal lung NbHL19W Homo sapiens cDNA clone IMAGE2297545 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by Bento Soares and M. Fatina Bonaldo. This library was constructed from the same fetus as the fetal heart library, Soares tetal heart NDHH19W."
                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

[ Dases 1 to 234)

Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Materston,R., Williamson,A., Wohldmann,P. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mashington University School of Medicine
4444 Forest Parkway, Box 8501, St. Louis, MO 63108
7el: 314 286 1800
Fax: 314 286 1800
Fax: 314 286 1800
Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Seg primer: mob.REGA+ET
High quality sequence stop: 159.
1. 234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         113 CCAGCGGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
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8.5%; Score 100; DB 14;
100.0%; Pred. No. 1.6e-38;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The WashU-Merck EST Project
Unpublished (1995)
Contact: Wilson RK
                                                                                                                                                                                                                                      N93995.1 GI:1266304
                                                                                                                                                                                                                                                                                      Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 100.
Matches 100; Conservative
                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       임
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Gaps

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Indels

8.5%; Score 100; DB 14; Length 185;

Pred. No. 1.5e-38;

Query Match 8.5%; Score 100; DB Best Local Similarity 100.0%; Pred. No. 1.56 Matches 100; Conservative 0; Mismatches

173 GGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 212

g

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Contact: Mahairas GG, Wallace JC, Hood L
High Throughput Sequencing Center
University of Washington
401 Queen Anne Avenue North, Seattle, WA 98109, USA
Tel: (206) 616-3818
Fax: (206) 616-3887
Email: jwallace@u.washington.edu
Clones are derived from the human BAC library RPCI-11. For BAC
library availability, please contact Pieter de Jong
(plieter@dejong.med.bulfalo.edu). Clones may be purchased from
BACPAC Resources (http://bacpac.med.buffalo.edu/ordering_bac.htm)
or from Resear h Genetics (info@resgen.com). BAC end Web Server:
                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 525)
Mahairas, G.G., Wallace, J.C., Smith, K., Swartzell, S., Holzman, T., Reller, A., Shaker, R., Furlong, J., Young, J., Zhao, S., Adams, M.D. and Họod, L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /clone lib="RPCI-11 Human Male BAC Library"
/note="Vector: pBACe3.6; Site 1: EcoR1; Site 2: EcoR1;
/note="Vector BACe3.6; Site 1: EcoR1; Site 2: EcoR1;
and bartially digested with a combination of EcoR1 and EcoR1 Methylase. Size selected DNA was cloned into the pBACe3.6 vector at EcoR1 sites"
                                                      GSS 13-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1100 CAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAA 1159
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
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                                          AQ403719
HS_5049_A1_C11_T7A_RPCI-11 Human Male BAC_Library Homo sapiens
genomic_clone Plate=625 Col=21 Row=E, genomic_survey sequence.
                                                                                                                                                                                                                                                                                                                                                                                        scanning the human genome

Proc. Natl. Acad. Sci. U.S.A. 96 (17), 9739-9744 (1999)
99380589
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /mol_type="genomic_DNA"
/db_xref="taxon:9606"
/clone="Plate=625 Col=21 Row=E"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1. .525
/organism="Homo sapiens"
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Plate: 625 row: E column: 21
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                                                                                                                                          AQ403719.1 GI:4414499
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Homo sapiens
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Class: BAC ends
                                                                                                                    AQ403719
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RESULT 14
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/dev_stage="newborn infant"
/lab_host="E. col; SOLR"
/clone lib="Kaze MMFLZ"
/note="Organ: placenta; Vector: Uni-ZAP XR; Site_1: EcoR
/note="Organ: placenta; Vector: Uni-ZAP XR; Site_1: EcoR
/note="Organ: placenta; Vector Stratagene ZAP-CDNA
Synthesis kit (catalog #200400) and ZAP-CDNA Gigapack III
Gold Cloning Kit (catalog #200400)"
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                                                                                                                                 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Cercopithecidae,
                                                                                                                                                                                                                                                                                                                                                                       Fax: 2063780408
Email: cmagnessaillumigen.com
Sequenced on 2003.10.16. 695 Q20 bases. Assembles in contig w/ 1
member(s). Contig contains I (0%) lib members.
                                                                                                                                                                                                                 Katze, M.G., Thomas, M., Korth, M., Iadonato, S.P. and Magness, C.L. Large-scale Rheeus Macaque cDNA Sequencing
Unpublished (2003)
Contact: C. Magness
Illumigen Biosciences Inc.
2203 Airport May S, Suite 450, Seattle, WA 98134, USA
Tel: 2063780400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       292 AGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGCCTGCATGGATCTG
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100.0%; Pred. No. 7.2e-20;
ive 0; Mismatches 0; Indels
human LOC150084 (Hs.422120), mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               organism="Macaca mulatta"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Std Error: 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Seq primer: CCCTCACTAAAGGGAACAAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FORWARD: CCCTCACTAAAGGGAACAAA
BACKWARD: CACTATAGGGCGAATTGGGTA
Insert Length: 976 Std Error:
Plate: CL000009 row: C column:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             db_xref="taxon:9544"
                                                                                      Macaca mulatta (rhesus monkey)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /mol_type="mRNA"
/strain="Indian"
                                                                                                                                                                      Cercopithecinae, Macaca.
1 (bases 1 to 976)
                    CK230652
CK230652.1 GI:39636835
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                                                                                                             Macaca mulatta
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BC370210 BR370210
BG206666 RST26117
AG069679 Pan trogll
BX358189 BX358189
N4735189 BX358189
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N4735189 BX358189
N473519 BAD trogl
CK230652 ILLUMIGEN
BE032510 ILLUMIGEN
BE033510 ILLUMIGEN
GC448050 OST13659
CC4481760 OST14380
CC45651 ATTS4353 PE
CC179595 SALK 0714
                                                                                                                                                                                                                                                                                                                                                                                                                                  BX399881
BX399881 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA clone CSODI085YA24 5-PRIME, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq-CS0D1085BA12QP1&cluster=10299.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f,
it belongs to a clone representative of this cluster. For more
information about this cluster and the virtual cDNA, see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 1201)
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                         ALIGNMENTS
                                                                                                                                                            BQ862485
AZ41779
BA641779
BB663870
BB663870
BB7084177
BC863468
BF784177
CG475380
CG475380
CG48695
CG48695
CG480695
                                                                                                                 AG142221
CD344913
AQ541776
AB082057
AA941851
                                 AG069679
AG107877
BX358189
N47851
N93995
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BE032610
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CK230652
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BX399881.1 GI:30622019
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BX358190 BX358190
BX370118 BX370118
BX403420 BX403420
                                                             9 ; Search time 3426.42 Seconds (without alignments) 10179.449 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                   1 agtgatcatggtggcaggag.....gtaatacaactgtagtatag 1168
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                                                                                                                                                                                                 55024014
         GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                               27513289 segs, 14931090276 residues
                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
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                                                               September 14, 2004, 22:59:39
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BX358190
BX370118
BX403420
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                                            nucleic search, using sw model
                                                                                                                                             Gapop_60.0 , Gapext 60.0
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em_sstfun:*
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em_gss_vrl:*
gb_gssl:*
gb_gss2:*
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Maximum DB seq length: 200000000
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em_estin:*
em_estmu:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB
                                                                                               US-09-729-264-3
1168
                                                                                                                                                                                                                                                                                                          em_estov:*
em_estpl:*
em_estro:*
em_htc:*
gb_estl:*
                                                                                                                                                                                                                                                                        em estba:*
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1201
917
941
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em gss
                                                                                                                                    OLIGO NUC
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Match 1
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42.6
38.8
30.9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               517
498
453
361
                                                                                                          Perfect score:
                                                                                                                                    Scoring table:
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Word size :

Searched:

Sequence:

Database :

and

20 6

No.

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TCAGATGAACAAAAGACCACAGACACCGCTTCTCTCCCCCAAATCCTGTGAATCCAGT 1030
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GATCCTGAACAAAAAACAGTAGCTGTGGCCCTCCTCAGCGGGGGGTGATCAACGTCCA 1090
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BX370118 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA clone CS0DI076YN22 5-PRIME, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                               /tissue type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Howo sapiens PLACENTA COT 25-NORMALIZED"
/note="lst strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <u> AAAGAGAAAAAAAAAAAACTGAGACAGAAAGTGGAAATGAAAACTCCGGCTACAAT</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          304 AAAGAGAAGACAAAGAAACTGAGACAGAAAGTGGAAATGAAAACTCCGGCTACAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCT
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                                                                                          Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 9106 EVRY cedex - France
BP 191 9106 EVRY cedex - France
Bmail: seqreségenoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f
Contact : Feng Liang Email : fliangelifetech.com URL :
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSODI035AB01QP1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        364 TCAGATGAACAAAAGACCACAGACACGCTTCTCTCCCCTCCCAAATCTGGAATCGAAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             484 CCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGAGAAGGTCAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 424 GATCCTGAACAAAGAAACAGTAGCTGTGGCCCTCCTCACCAGCGGGCTGATCAACGTCCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1201;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
    1 (bases 1 to 1201)
Li,W.B., Grubber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 498; DB 13; I
Pred. No. 5.6e-236;
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42.6%; Score 498; DE
Best Local Similarity 100.0%; Pred. No. 5.6
Matches 498; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                             /mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0D1035YC01"
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BX370118
LOCUS
DEFINITION
  REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               450
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/note="tst strand cDNA was primed with a NotI-oligo(dr)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and ECOR V
sites of the pCMVSPORT 6 vector. Library was normalized."
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COT 25-NORMALIZED Homo sapiens CDNA
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CATCCACAATGTGGAGCCCAGTGATTCGGGGAACATTCAGATGCAGCCTCCAGAACAGTCG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <u>AGTCCTGAAGGGCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCAT</u>
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  InVitroGen Corporation 1600 ID : CS0DI085BA12QP1.
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0
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larity 99.8%; Pred. No. 2e-245;
Conservative 0; Mismatches 1; Indels 0
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                     Faraday Avenue Genoscope Sequence
Location/Qualifiers
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http://fulllength.invitrogen.com/
                                                                              1. .1Zuı
/organism="Homo sapiens"
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Best Local Simi
Matches 567;
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850

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EST 08-MAY-2003

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Contact: Genoscope
Genoscope - Centre National de Sequencage
Genoscope - Centre National de Sequencage
BP 191 91006 ENRY cedex - France
BP 191 91006 ENRY cedex - France
Bmail: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen. This sequence belongs to sequence cluster
10299.f, and it belongs to a clone representative of this cluster.
For more information about this cluster and the virtual CDNA, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSSAA017ZEOZEMI&cluster=10299.f. Contact :
Feng Liang Email: fliang@lifetech.com URL:
Fraday Avenue Genoscope sequence ID : CSSAA017ZEOZEMI.
                                                                                                                                                                                       EST 13-MAY-2003
                                                                                                                                                                                  o mRNA linear EST 13-MAY-2000:
COT 25-NORMALIZED Homo sapiens cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CCIGCALGGATCIGCTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGT 390
                                                                                                                                                                                                                                                                                                                                             Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             391 TAAICTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCTCACACTGGAC 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /clone="CSODIOSYA24"
/tissue type="PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="lib strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR v
sites of the pCMVSPORT 6 vector. Library was normalized.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          211 CAATGACCGCTTCACCTCTCAGAGGTACGACCAGGGCGGGAACTTCACCTCGGAGATGAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             452 CAATGACCGCTTCACCTCTCAGAGGTACGACCAGGGCGGGGAACTTCACCTCGGAGATGAT
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                                                                                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 941)
Li,W.B., Grubber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 361, DB 13; I
Pred. No. 7.1e-168;
                                                                                                                                                                             BX403420 mRNA 84703420 Homo sapiens PLACENTA COT 25-NORN Clone SCSDI085YA24 5-PRIME, mRNA sequence-BX403420
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0
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              1145 GTCAGTAATACAACTGTAGTATAG 1168
                                                               534
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /mol_type="mRNA"
/db_xref="taxon:9606"
                                                          511 Grcagranacaacrcragrarag
                                                                                                                                                                                                                                                                        BX403420.1 GI:30607302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30.98;
                                                                                                                                                                                                                                                                                                                         Homo sapiens (human)
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Matches 36
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AUTHORS
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COMMENT
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BX403420
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SOURCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .085 CGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAG 1144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /tissue type="PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EOOR V
sites of the pCMVSPORT 6 vector. Library was normalized."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              331 TACAATICAGAIGAACAAAAAGACCACAGAAACCGCTTCTCTCCCTCCCAAATCCTGAA 390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          450
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                                                                                                                     Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  90
                                                                                                                                                                                                                                                                               Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: sequenoscope.ons.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 2250.r For
http://www.genoscope.cns.fr/
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSOBAG037ZE05_CS03493_2&cluster=2250.r.
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSOBAG037ZE05_CS03493_2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           151 TGTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTCGTTGTTGTGGCTGCAACTGCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          271 TCTGAAAAAGAGAAGAAACAAAGAAACTGAGACAGAAAAGGGAAATGAAAACTCCGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            665 ACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGGTTTTTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31 ACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTTAGGTTTTTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       725 TIGCCIACTIGGGGCAAAGTIGGACTIGGACTAGCAGGCACCAIGCTICTGACGCCGACG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; Indels
                                                                                                                                                                    1 (bases 1 to 917)
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /mol_type="mRNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /clone="CS0DI076YN22"
                          GI:30447910
                                                                         Homo sapiens (human)
                                                                                                                                                                                                                                                                 Contact: Genoscope
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                                                                                                    sapiens
    BX370118
BX370118.1
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TITLE
JOURNAL
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TCAACGTCCAGCCAGGCCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA 1140
                                                                                                                                                                              BG740428 72021 TSS bp mRNA linear EST 15-MAY-2001 BG2633817F1 NCI_CGAP_Skn3 Homo sapiens cDNA clone IMAGE:4778789 5',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Chordata, Craniata, Vertebrata, Euteleostomi;
Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequencing by: Incyte denomics, Inc.
Sequencing by: Incyte denomics, Inc.
Clone distribution and Genomics, Inc.
Clone distribution and Genomics, Inc.
http://image.llnl.gov
plate: LiAM10635 row: b column: 06
High quality sequence stop: 725.
Location/Qualifiers
1. 725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          901 GAAATCTGAAAAGAGAGAGAAACAAAGAAACTGAGACAGAAAGTGGAAATGAAAACTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGAATCCAGTGATCCTGAACAAGAAACAGTAGCTGTGGCCCTCCTCACCAGCGGGCTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        379 GAAATCTGAAAAAGAGAGAAGAAGAAAGAAACTGAGACAGAAAGTGGAAATGAAAACTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          499 IGAAICCAGIGAICCIGAACAAAGAAACAGIAGCIGIGGCCCICCICCICACCAGGGGGCIGA
272 CTGAAAAAGAGAAGACAAACAAAAACTGAGACAGAAAGTGGAAATGAAAACTCCGGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: James Cleaver, M.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
                                                                                                                                                                                                                                                                                                                                                                                                     1 (bases 1 to ,22),
NIH-MGC http://mgc.nci.nih.gov/,
National Institutes of Health, Mammalian Gene Collection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0;
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100.0%; Pred. No. 3.7e-121;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GAAGGICAGIAAIACAACIGIAGIAIA 1167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              619 GAAGGICAGTAATACAACTGTAGTATA 645
                                                                  332 ACAATTCAGATGAACAAAAGACCACAGA 359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Homo sapiens"
                                             ACAATTCAGATGAACAAAAGACCACAGA
                                                                                                                                                                                                                                                                        BG740428.1 GI:14051081
                                                                                                                                                                                                                                                                                                                   Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                              Mammalia, Eutheria;
1 (bases 1 to 725)
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                                                                                                                                                                                                                                        mRNA sequence.
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Genoscope - Centre National de Sequencage
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BP 191 9100 of
Information aconstructed by Life Technologies, a division of
Information about this cluster and the virtual cDNA, see
information about this cluster and the virtual cDNA, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSOBAG039ZB05_CSO3685_I&cluster=10299.f.
Contact: Ferm Liang Email: fliangelifetech.com URL:
http://tulllength.invitrogen.com/ Invitroden Corporation 1600
Faraday Avenue Genoscope sequence ID: CSOBAG039ZE05_CSO3685_1.
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BX370209 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA clone CS0D1085YA24 5-PRIME, mRNA sequence.
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/tissue type="PLACENYA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENYA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENYA COT 25-NORMALIZED"
/note="list strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
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Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
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100.0%; Pred. No. 1.8e-151;
ive 0; Mismatches 0;
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/db_xref="taxon:9606"
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Pan troglodytes (chimpanzee)
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Best Local Similarity 100.
Matches 149; Conservative
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BP 191 91006 EVRY cedex - France
Email: sequence.cns.fr, Web: www.genoscope.cns.fr
Email: sequeré@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f, and
it belongs to a clone representative of this cluster. For more
information about this cluster and the virtual cDNA, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=cS0BAG039ZE05_CS03685_2&cluster=10299.f.
Contact: Feng Liang Email: fliang@lifetech.com URL:
Contact: Feng Liang Email: fliang@lifetech.com URL:
Faraday Avenue Genoscope sequence ID: CSOBAG039ZE05_CS03685_2.
Location/Qualifiers
                                      BX370210
BX370210 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA Clone CS0D1085YA24 5-PRIME, mRNA sequence.
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/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/clone="Est strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and ECOR V
sites of the pCMVSPORT 6 vector. Library was normalized."
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Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
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100.0%; Pred. No. ...
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/db_xref="taxon:9606"
/clone="CSODIO85YA24"
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

[Dases 1 to 216)

Harrington, J.J., Sherf, B., Rundlett, S., Jackson, P.D., Perry, R., Cain, S., Leventhal, C., Thornton, M., Ramachandran, R.,

Mhittington, J., Lerner, L., Costanzo, D., McElligott, K., Boozer, S., Mays, R., Smith, B., Veloso, N., Klika, A., Hess, J., Cothren, K., Lo, K., Offenbacher, J., Danzig, J. and Ducar, M.

Creation of genome-wide protein expression libraries using random activation of gene expression
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CCAAATCCTGTGAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCCCTCCTCACC 1070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /mol type="minka" "Letter..."
/mol type="minka" "Mol type="minka" |
/db Xref="taxon:9606" |
/coll line="HT1080" |
/clone line="See 'Creation of Genome-wide Protein Expression |
Intraries using Random Activation of Gene Expression |
Nature Biotechnology, in press. Note that even though the cell type indicated is HT1080, since a random activation method was used, these sequence tags are not necessarily expressed in HT1080 under normal circumstances."
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Pan troglodytes DNA, clone: PTB-060F12.F, genomic survey sequence.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Submitted (02-AUG-2001) Asao Fujiyama, The Institute of Physical
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21 CCAAATCCTGTGAATCCTGTGATCCTGAACAAGAAACAGTAGCTGTGGCCCTCCTCACC
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BAC end sequences of Library PTB
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Fullyama, A., Hattori, M., Toyoda, A., Taylor, T.D., Yada, T.,
Totoki, Y., Watanabe, H. and Sakaki, Y.
Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.8%; Score 149; DB 12; Length 216; 100.0%; Pred. No. 1.3e-62; .ive 0; Mismatches 0; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Athersys, Inc. 3201 carnegle Ave, Cleveland, OH 44115, USA 3201 carnegle Ave, Cleveland, OH 44115, USA Feb: 216 431 9906 Fax: 216 361 9596 Email: scain@athersys.com
                                                                                                                                                                                                                                                                                                               activation of gene expression
Nat. Biotechnol. 19 (5), 440-445 (2001)
21227151
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               141 CCAGTCCTGAGAAGGTCAGTAATACAACT 169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              organism="Homo sapiens"
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Location/Qualifiers
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EST 05-MAY-2003
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BX356189 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA clone CSODI035YC01 3-PRIME, mRNA sequence.

BX358189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             137 TCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTGACTTGCGT 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

1. (Dases 1 to 1201)

Li, W.B., Gruber, C., Jessee, J. and Polayes, D.

Full-length cDNA libraries and normalization

Unpublished (2001)
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/tissue type="PLACENYA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENYA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENYA COT 25-NORMALIZED"
/note="lst strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and ECOR V
sites of the pCMYSPORI 6 vector. Library was normalized.
                                                                                                                                                                                                                                                                                                                                                                                                                                         532 TCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTGACTTGCGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Genoscope. Centre National de Sequencage
BP 191 91006 EVRY cedex - France
BP 191 91006 EVRY cedex - France
BEMAIL: Segref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f
Contact: Feng Liang Email: fliang@lifetech.com WEL:
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSODI035AB01NP1.
                                                                                                                                                                                                                                                                                                                                                                                                           472 GGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCT
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                                                                                                                                                                                               /sex="male"
/cell_type="lymphoblast"
/clone_lib="PTB Chimpanzee Male BAC Library"
                                                                                                                                                                                                                                                                                                               Length 677;
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100.0%; Pred. No. 4.8e-43;
tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                               Query Match 12.5%; Score 146; DB 29; Best Local Similarity 100.0%; Pred. No. 5.3e-61; Matches 146; Conservative 0; Mismatches 0;
                                                                                                 /organism="Pan troglodytes"
/mol_type="genomic DNA"
/db_xref="taxon:9598"
/clone="PTB-112N07.F"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      617
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /mol_type="mRNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      592 GGCTACCTGGAAGACCCTGAAGGCCC
                                                    Location/Qualifiers
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       R.Site 1 : SacI
R.Site 2 : SacI
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Matches 110; Conservative
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Totoki, Y., Watanabe, H. and Sakaki, Y.
Direct Submission
Submitted (02-AUG-2001) Asao Fujiyama, The Institute of Physical and Chemical Research (RIKEN), Genomic Sciences Center (GSC);
I-7-22 Suchiro-chou, TRIKEN), Genomic Sciences Center (GSC);
Tel:al-45-503-9111, Fax:81-45-503-9170)
Clones are derived from the chimpanzee BAC library PTB This BAC end was generated during the R&D process and may have higher chance of clone tracking errors.
and Chemical Research (RIKEN), Genomic Sciences Center (GSC); 1-7-22 Suehiro-chou, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan (E-mail:chimpbes@gsc.riken.go.jp, URL:http://hgp.gsc.riken.go.jp/, Tel:s1-45-503-9111, Fax:81-45-503-9170)
Clones are derived from the chimpanzee BAC library PTB This BAC end was generated during the R&D process and may have higher chance of clone tracking errors.
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Pan troglodytes DNA, clone: PTB-112N07.F, genomic survey sequence.
AG107877
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Pan.
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BAC end sequences of Library PTB
Unpublished
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /sex="male"
/cell type="lymphoblast"
/clone lib="PTB Chimpanzee Male BAC Library"
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                                                                                                                                                                                                                                                                                                                                                  1. .622
/organism="Pan troglodytes"
/mol_type="genomic DNA"
/db &rref="taxon:9598"
/clone="PTB-060F12.F"
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R.Site 2
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N93995 2366609.rl Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone
IMAGE:297545 5', mRNA sequence.
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S25 bp DNA linear GSS 13-MAR-1999
HS_5049_A1_C11_T7A RPCI-11 Human Male BAC Library Homo sapiens
genomic clone Plate=625 Col=21 Row=E, genomic survey sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          normalization to a Cot = 5. Library constructed by Bento Soares and M.Fatima Bonaldo. This library was constructed from the same fetus as the fetal heart library, Soares fetal heart NbHH19W."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  113 CCAGCGGGGTGATCAACGTCCACGCCAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCT 172
                                                                                                                                                                                                                                 Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished (1995)
Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Email: est@watson.wustl.edu
This clone is available royalty-free through LLML; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1069 CCAGCGGGCTGATCAACGTCCACCCAGGCCAGCCAAGTCATCCACAGGCTTCTTTAATCT
                                                                                                                                                                                                                                                                       1 (bases 1 to 234)
Hilliar,L. Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,B., Waterston,R., Williamson,A., Wohldmann,P. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 234;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /mol_type="mRNA"
/db_xref="GDB:1242467"
/db_xref="daxon:9606"
/clone="IMAGE:297545"
/dev_stage="19 weeks"
/lab_host="DH10B (ampicillin resistant)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1129 GGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1168
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0:
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100.0%; Pred. No. 3.2e-38;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   High quality sequence stop: 159.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                              The WashU-Merck EST Project
                                                                                                                                                      N93995.1 GI:1266304
                                                                                                                                                                                              Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 100. Matches 100; Conservative
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                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                   N93995
                                                                                                                                                                         EST
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AQ403719/c
LOCUS
DEFINITION
                                                                                         DEFINITION
                                                                                                                               ACCESSION
VERSION
                                                                                                                                                                                                              ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                              TITLE
JOURNAL
                               RESULT 13
                                                                                                                                                                                                                                                                                              AUTHORS
                                                                                                                                                                                                                                                                           REFERENCE
                                                                                                                                                                     KEYWORDS
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                                                  N93995
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                                                                                                                                                                                                                             EST 14-FEB-1996
                                                752
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Yw95h05.rl Soares placenta 8to9weeks 2NbHP8to9W Homo sapiens cDNA clone IMAGE:260025 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                  Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalla; Eutheria, Primates, Catarrhini, Hominidae, Homo.
I (bases 1 to 185)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., "Tevaskis,B., Waterston,R., Williamson,A., Wohldmann,P. and
                         This clone is available royalty-free through LLNL, contact the IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Gaps
                                                                               CTTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1168
                                                                                                          751 CTTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 702
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8.6%; Score 100; DB 14; Length 185;
larity 100.0%; Pred. No. 3e-38;
Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Seq primer: T7
High quality sequence stop: 150.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mol_type="mRNA"
/db_xref="GDB:3889731"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           _xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /clone="IMAGE:260025"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The WashU-Merck EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: est@watson.wustl.edu
                                                                                                                                                                                                                                                                               N47851
N47851.1 GI:1189017
                                                                                                                                                                                                                                                                                                                                            Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished (1995)
Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
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Best Local Simi
Matches 100;
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  1059
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ORGANISM
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JOURNAL
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Gaps

us-09-729-264-3.olig.rst

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/dev_stage="newborn infant"

/dev_stage="newborn infant"

/lab host="E. col; SOLR"

/clone lib="Kaze MMFDL"

/note="Organ: placenta; Vector: Uni-ZAP XR; Site_1: EcoR

/i Site_2: Xho I; Created from Stratagene ZAP-cDNA

Synthesis kit (catalog #200400) and ZAP-CDNA Gigapack III

cold cloning kit (Catalog #200450)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               285 AGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGCCTGCATGGATCTG 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 976)
Katze, M. G., Thomas, M., Korth, M., Iadonato, S.P. and Magness, C.L.
Large-scale Rhesus Macaque cDNA Sequencing
Unpublished (2003)
Contact: C. Magness
Illumigen Biosciences Inc.
2203 Airport Way S, Suite 450, Seattle, WA 98134, USA
Tel: 2063780400
Fax: 2063780408
                                                                                                                                                                                                                                 Email: cmagness@illumigen.com
Sequenced on 2003.10.16. 695 Q20 bases. Assembles in contig w/
member(s). Contig contains 1 (0%) lib members.
PCR PRimers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5.4%; Score 63; DB 14; Length 976;
100.0%; Pred. No. 1.1e-19;
live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                        FORWARD: CCCTCACTAAAGGGAACAAAA
BACKWARD: CACTATAGGGCGAATTGGGTA
INSERT LENGHT: 976 Std Error: 0.00
Plate: CL000009 row: C column: 07
Seg primer: CCCTCACTAAAGGGAACAAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="Macaca mulatta"
/mol_type="mRNA"
/strain="Indian"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Search completed: September 15, 2004, 06:43:44 Job time : 3427.42 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              db xref="taxon:9544"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
Cercopithecinae; Macaca.
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Best Local Similarity
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                                                                       TITLE
JOURNAL
                   REFERENCE
AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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                                                                                                                                                                                                                                                                                                                                                                  Contact: Mahairas GG, Wallace JC, Hood L

High Throughput Sequencing Center

High Throughput Sequencing Center

University of Mashington

401 Queen Anne Avenue North, Seattle, WA 98109, USA

Tel: (206) 616-3887

Email: jwallace@u.washington.edu

Clones are derived from the human BAC library RPCI-11. For BAC

Library availability, please contact Pieter de Jong

(pieter@dejong) med Jubffalo.edu). Clones may be purchased from

BACPAC Resources (http://bacpac.med.buffalo.edu/ordering_bac.htm)

or from Resear h Genetics (info@resgen.com). BAC end Web Server:

http://www.htsc.washington.edu

Seq primer: T?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CK230652 976 bp mRNA linear EST 09-DEC-2003 ILLUMIGEN MCQ_1006 Katze NMPL2 Macaca mulatta cDNA 5' similar to human_LOC150084 (Hs.422120), mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /clone lib="RPCI-11 Human Male BAC Library"
/note="Vector: pBACe3.6; Site_1: EcoRI; Site_2: EcoRI;
Male blood DNA was isolated from one randomly chosen donor
and partially digested with a combination of EcoRI and
EcoRI Methylase. Size selected DNA was cloned into the
pBACe3.6 vector at EcoRI sites"
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                                                                                                               Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 525)
Mahairas, G.G., Wallace, J.C., Smith, K., Swartzell, S., Holzman, T.,
Meller, A., Shaker, R., Furlong, J., Young, J., Zhao, S., Adams, M.D. and
Hood, L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1093 CAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAA 1152
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Macaca mulatta
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Cercopithecidae;
                                                                                                                                                                                                                                                               Sequence-tagged connectors: A sequence approach to mapping and scanning the human genome
Proc. Natl. Acad. Sci. U.S.A. 96 (17), 9739-9744 (1999)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6.5%; Score 76; DB 28;
100.0%; Pred. No. 3.2e-26
tive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               clone="Plate=625 Col=21 Row=E"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /mol_type="genomic DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         High quality sequence stop: 525.
Location/Qualifiers
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                                  GI:4414499
                                                                                 Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
Matches 76; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Class: BAC ends
                                                                                                          Homo sapiens
                                AQ403719.1
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KEYWORDS
SOURCE
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                             VERSION
KEYWORDS
SOURCE
ORGANISM
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CK230652
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PUBMED
COMMENT
              ACCESSION
                                                                                                                                                                               REFERENCE
                                                                                                                                                                                                   AUTHORS
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Gaps .. BX370209

Title:

Run

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BX399881 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA clone CS0DI085YA24 5-PRIME, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Genoscope,
Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Bmail: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f, and
it belongs to a clone representative of this cluster. For more
information about this cluster and the virtual cDNA, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSODIO855BA12QP1&cluster=10299.f. Contact:
Feng Liang Email: fliang@lifetech.com URL:
                                                                                                                                                                                                                                                                                                                                                                              Bukaryota, Metazoa, Chordata, Craniata; Vertebrata, Euteleostomi, Mammalia; Butheria, Primates; Catarrhini, Hominidae, Homo.
1 (Dases 1 to 1201)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
                                                                                                                                                                                                                                                                                            ALIGNMENTS
                                                                                   BE032610
AG14221
AG14221
CD344913
CE729707
AO541776
CC588638
AB082057
AA941851
                          AG069679
AG107877
BX358189
N47851
N93995
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       BX370210
BG740428
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CK230652
CK230612
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AZ411779
BQ864023
BB663870
BH020641
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BF784177
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CG480560
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 Homo sapiens (human)
Homo sapiens
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LOCUS
DEFINITION
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KEYWORDS
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ORGANISM
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                                         September 14, 2004, 22:59:39
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CGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAG 1216
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Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 2250.r For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSOBAG037ZE05_CS03493_2&cluster=2250.r.
Contact: Feng Liang Email: fliangelifetech.com URL:
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSOBAG037ZE05_CS03493_2.
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/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
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primer: Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR v
sites of the pCMVSPORT 6 vector. Library was normalized.
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100.0%; Pred. No. 9.1e-240;
iive 0; Mismatches 0;
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BX370118 GI:30447910
EST.
                             Faraday Avenue Genoscope sequence
Location/Qualifiers
          http://fulllength.invitrogen.com/
                                                                                        organism="Homo sapiens"
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Contact: Genoscope
Genoscope - Centre National de Sequencage
Genoscope - Centre National de Sequencage
BP 191 91006 ENYX cedex - France
Email: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen. This sequence belongs to sequence cluster
10299.f, and it belongs to a clone representative of this cluster.
For more information about this cluster and the virtual cDNA, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSSAA017ZE02RMI&cluster=10299.f. Contact:
Feng Liang Liangalisetech.com URL:
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSSAA017ZE02RMI.
                                                                                                                                                                                                                                                                    EST 13-MAY-2003
                        BX403420
BX403420 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA clone CS0DI085YA24 5-PRIME, mRNA sequence.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo
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mol_type="mRNA"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="CSODIOSSYA24"

/tissue_type="PLACENTA COT 25-NORMALIZED"

/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"

/note="lst strand cDNA was primed with a NotI-oligo(dT)

primer. Five prime end enriched, double-strand cDNA was

digested with Not I and cloned into the Not I and EcoR V

sites of the pCMVSPORT 6 vector. Library was normalized."
CCCAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAGGTCAGT
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Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
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100.0%; Pred. No. 2.5e-209;
tive 0; Mismatches 0;
                                                                                            1223 AATACAACTGTAGTATAG 1240
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BX403420.1 GI:30607302
                                                                                                                              544 AATACAACTGTAGTATAG
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BX358190 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
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/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="Est strand cDNA was primed with a Not1-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
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Li, Was, Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Contact: Genoscope
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BP 191 91006 EVRY cedex - France
Bmall: seqrefégenoscope.ons.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f
Contact: Feng Liang Email: fliang@lifetech.com URL:
http://tulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSODIO35AB01QP1.
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BX358190
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/db_xref="taxon:9606"
/clone="CS0D1035YC01"
                                                                                                                                                                     BX358190.1 GI:30372233
                                                                                                                                                                                                                     sapiens (human)
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236 405 296 465 356

Db 152 GTACTCTTACAATACGCTGCTGCTGCTGCTGGTTGTTGTGGCTGCAACTGCTGCT 211 QY 918 GCCGTTGTTGTTGCTGTGAAAAAAGAGGATTTCGTATTCAATTTCAAAAGAAAT 977 Db 212 GCCGTTGTTGTTGTTGTTGAAAAAGAGAAATTCGTATTCATTTCAAAAAA 771 QY 978 CTGAAAAAGAGAAAAAAAAAAAAAAGAAAGTGGAAATGAAATTCAAAATTCAAAAAT 271 Db 272 CTGAAAAAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	RESULT 6 HX370210 LOCUS LOCUS LOCUS LOCUS BX370210 HX370210	http://www.genoscope.cns.fr/ cgi-bin/cluster.cgi?seq=CSOBAG0392E05 CS03685 2&cluster=10299.f. contact: Frem Liang Lang Email: fliang@llfetech.com URL: contact: Frem Liang Lang Email: fliang@llfetech.com URL: http://fulllength.invitrogen.com/ Invitroden Corporation 1600 Faraday Avenue Genoscope sequence ID: CSOBAG039ZE05_CS03685_2. Location/Qualifiers 1.0148 / organism="Homo sapiens" / mol_type="mknA" / db_xref="taxon:9606" / clone="Lexon:9606" / clone="Texon:9606" ery Match 18.2%; Score 226; DB 13; Length 1148; Best Local Similarity 100.0%; Pred. No. 4.6e-101; 0; Gaps 0; Matches 226; Conservative 0; Mismatches 0; Indels 0; Gaps 0; 0; Qy 730 CCAAGACACTGGAGGTGTATTAATATTCCAGGTGTATTATCCAGGTTTACCGAGTTTACG 789 14 CCAAGACACTGGAGGTGTATTAATATTATTACAAGTTACCAGGTTATTACCGAGTTTACCGAGTTTACCAGGTTATACCGAGTTTACCAGGTTATACCGAGTTTACCAGGTTATACCGAGTTTACCAGGTTTACCGAGTTTACCGAGTTTACCGAGTTTACCGAGTTTACCGAGTTTACCGAGTTTACCAGGTTTACCGAGTTTACCGAGTTTACCGAGTTTACCGAGTTTACCGAGTTTACCGAGTTTACCGAGTTTACCGAGTTTACAGGTTACATTACGAGTTACAATACGATTGACTTTGAGACTTGACTTCTGAC 133 Qy 850 GCCGACGTGACTTACAATACGATGCTGCTGCTGCTTGTTGTGGCTGCAA 909 Qy 850 GCCGACGTGACTTACAATACGCTGCTGCTGCTGCTTGTTGTGGCTGCAA 909 Db 134 GCCGACGTAACTCTTACAATACGTGCTGCTGCTGCTTGTTGTTGTGGCTGCAA 193 Db 134 GCCGACGTTACAATACGATGCTGCTGCTGCTGTTGTTGTTGTGGCTGCAA 193	
Db 526 AGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGCGTCGCCTGCATGGTCTG 585 Qy 417 CTTACCTTACCGTCCAGTTATGGGAGGCTGTTCATTCCCAGTGTTAATCTTGTAGTCG 476 Db 586 CTTACCTTACCGTCCAAGTTATGGGAGGCTGTTCATTCCCAGTGTTAATCTTGTAGTCG 645 Qy 477 CTGAGAATGAACCTTGTGAAGTTACTTGTCATCCCAGTGTTAATCTTGTAGTCG 645 Db 646 CTGAGAATGAACCTTGTGAAGTTACTTGTCTACCTCAGACCGGGCTCCCGGATA 536 Qy 537 TTTCCTGGGAGCTCGAAGTTACTTGTCTACCTCACACTGGACCGGGTTCCCGGATA 705 Db 706 TTTCCTGGAAGCTCCCTG 559 707 TTTCCTGGAAGCTCCCTG 559	SULT 5 370209 CUS CUS CUS CUS CUS CUS CUS CUS CUS CUS	it belogs to a clone representative of this cluster. For more information about this cluster and the virtual CDNA, see http://www.genoscope.cns.fr/ cgi.bin/cluster.cgi?seq=CSOBAG039ZE05 CS03685_lxcluster=10299.f. cgi.bin/cluster.cgi?seq=CSOBAG039ZE05 CS03685_lxcluster=10299.f.	ORIGIN Query Match Query Match Query Match Atches 336; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Matches 336; Conservative 0; Mismatches 0; Indels 0; Gaps 0; An CTGGAGGTGGTATTAATATTCCAGGTGTATTACCAGGTTTACGGAGTTTTCAT 797 QY 738 TGCTTACTAGGGCAAAGTTGGAGTTTACCAGGTTTTACGAGTTTTCAT 91 Oy 798 TGCTTACTTGGGGCAAAGTTGGACTTGGACGAGGTTCTGACGCAGGT Db 92 TGCTTACTTGGGGCAAAGTTGGAGTTGGACTTGGAGGCCAGGT 857 QY 798 TGCTTACTACAGACTTGGAGTTGGACTTGGAGGCAGGT 151 Db 92 TGCTTACTTGGGGCAAAGTTGGACTTGGAGCACGAGGTTCTGACGCCAGGT 151 OY 858 GTACTCTTACAAATACGCTGCTGCTGCTGCTGTTGTGGCTGCTGCTGCTGCTGCT

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Homo sapiens
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                                                                                                             602633817F1 NCI_CGAP_Skn3 Homo sapiens cDNA clone IMAGE:4778789 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /dlone="IMAGE:4778789"
/lab_host="DH10B (T1 phage-resistant)"
/clone="lib="NCI CGAP Skn3"
/note="Organ: Skin; Vector: pCMV-SPORT6; Site 1: NotI;
Site_2: Sall; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.5kb. Library constructed by Life
Technologies. Note: this is a NCI_CGAP Library."
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 725)
                                                                                                                                                                                                                                                                                                                                                   Email: cgapber-gmail.nih.gov
Tissue Procurement: James Cleaver, M.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA
Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
thttp://image.llnl.gov.b column: 06
High quality sequence stop: 725.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                       NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Gaps
                   17.4%; Score 216; DB 12; Length 725; llarity 99.6%; Pred. No. 4.1e-96; Conservative 0; Mismatches 1; Indels
   910 CTGCTGCTGCTGTTGTTTCTGCTGTAGAAAAAAAAGAGATTT
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                                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
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/organism="Homo sapiens"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /mol_type="mRNA"
/db_xref="taxon:9606"
                                                                                                                                                                              BG740428.1 GI:14051081
                                                                                                                                                                                                              sapiens (human)
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Best Local Simi
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Dikaryotta; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases I to 216)

Harrington, J.J., Sherf, B., Rundlett, S., Jackson, P.D., Perry, R.,

Cain, S., Leventhal, C., Thornton, M., Ramachandran, R.,

Whithington, J., Lerner, L., Costanzo, D., McElligott, K., Boozer, S.,

Offenbacher, J., Danzig, J. and Ducar, M.

Creation of genome-wide protein expression libraries using random
activation of gene expression

Nat. Biotechnol. 19 (5), 440-445 (2001)
BG206666
RST26117 Athersys RAGE Library Homo sapiens cDNA, mRNA sequence.
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Pan troglodytes DNA, clone: PTB-060F12.F, genomic survey sequence.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.
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Pred. No. 8.1e-63;
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3201 Carnegie Ave, Cleveland, OH 44115,
Tel: 216 431 9900
Fax: 216 361 9596
Email: scain@athersys.com
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100.0%; Pred. No. c.
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Location/Qualifiers
1. .216
/organism="Homo sapiens"
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Pan troglodytes
                                                                                                                                               BG206666.1 GI:13728353
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Matches 149; Conservative
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COMMENT

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1201 bp mRNA linear EST 05-MAY-2002
EX358189 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA
clone CSODI035YC01 3-PRIME, mRNA sequence.
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1 (bases 1 to 1201)
11, W.B., Gruber,C., Jessee,J. and Polayes,D.
Pull-length cDNA libraries and normalization
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              603
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//mol_type="mRNA"
/db_xef="taxon:9606"
/clone="CSOI035YC01"
/tissue type="FLACENTA COT 25-NORMALIZED"
/clone="lib="Homo sapiens PlaCENTA COT 25-NORMALIZED"
/note="list strand cDNA was primed with a NotI-oligo(dT)
/primer. Five prime end enriched, double-strand cDNA was
Tel:81-45-503-9111, Fax:81-45-503-9170)
Clones are derived from the chimpanzee BAC library PTB This BAC was generated during the R&D process and may have higher chance clone tracking errors.
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BP 191 91006 ENRY cedex - France
Bmail: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Library was constructed by Life Technologies, a division of
Linvitrogen. This sequence belongs to sequence cluster 10299.f
Contact: Feng Liang Email: fliang@lifetech.com URL:
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSODIO35AB01NP1.
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/clone_lib="PTB Chimpanzee Male BAC Library"
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100.0%; Pred. No. 3.3e-61;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                    /organism="Pan troglodytes"
/mol type="genomic DNA"
/db xref="taxon:9598"
/clone="PTB-112N07.F"
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                                                                                                                                                               Vector : pKS145
R.Site 1 : SacI
R.Site 2 : SacI.
                                                                                                                        Sequencing: -21M13
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Totoki,Y., Watanabe,H. and Sakaki,Y.
Direct Submission
Submitted (10-A010) Asao Fujiyama, The Institute of Physical
and Chemical Research (RIKEN), Genomic Sciences Center (GSC);
1-7-22 Suchiro-chou,Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan (E-mail:chimpbes@gsc.riken.go.jp, URD:http://hgp.gsc.riken.go.jp/,
                                                                                                                                                                        Submitted (O2-MG-2001) Asao Fujiyama, The Institute of Physical Submitted (O2-MG-2001), Genomic Sciences Center (GSC); and Chemical Research (RIKEN), Genomic Sciences Center (GSC); 1-7-22 Suehiro-chou, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan (B-mail:chimpbes@gsc.riken.go.jp, URL:http://hgp.gsc.riken.go.jp/, Tel:sla.145-503-9170, Fax:81-45-503-9170, Golones are derived from the chimpanzee BAC library PTB This BAC end was generated during the RED process and may have higher chance of clone tracking errors.
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Pan troglodytes DNA, clone: PTB-112N07.F, genomic survey sequence.
AG107877
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.
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BAC end sequences of Library PTB
                                                                                                          Fujiyama,A., Hattori,M., Toyoda,A., Taylor,T.D., Yada,T.,
Totoki,Y., Watanbe,H. and Sakaki,Y.
Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Pan troglodytes"
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/db_xref="taxon:9598"
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/sex="mathe"
/cell type="lymphoblast"
/clone_lib="FTB Chimpanzee Male BAC Library"
                         Totoki,Y., Watanabe,H. and Sakaki,Y.BAC end sequences of Library PTB
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R.Site 2 : SacI
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2 (bases 1 to 622)
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za66f09.rl Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone
IMAGE2297545 5', mRNA sequence.
         1141 CCAGCGGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCT 1200
                              Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This clone is available royalty-free through LLNL , contact the IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                       Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, F., Trevaskis, E., Waterston, R., Williamson, A., Wohldmann, P. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1141 CCAGGGGCTGATCAACGTCCAGGCCAGGCAAGTCATCCACAGGCTTCTTTAATCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Unpublished (1995)
Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
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                                                                                1201 GGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1240
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.00.0%; Pred. No. 2.3e-38;
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/organism="Homo sapiens"
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Location/Qualifiers
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/db_xref="GDB:1242467"
/db_xref="taxon:9606"
/clone="IMAGE:297545"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The WashU-Merck EST Project
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yw95h05.rl Soares placenta 8to9weeks 2NbHPBto9W Homo sapiens cDNA
clone IMAGE:260025 5', mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., waterston,R., Williamson,A., Wohldmann,P. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                     Gaps
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4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
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                                                                    8.9%; Score 110; DB 13;
100.0%; Pred. No. 3.5e-43;
iive 0; Mismatches 0;
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High quality seguence stop: 150.
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/db_xref="GDB:3889731"
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/clone="IMAGE:260025"
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The WashU-Merck EST Project Unpublished (1995)
Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: est@watson.wustl.edu
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Homo sapiens (human)
Homo sapiens
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Contact: Genoscope
Contact: Genoscope
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Genoscope. Contre National de Sequencage
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BP 191 91006 EVRY cedex - France
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologists, a division of
Library was constructed by Life Technologists, a division on
Invitrogen. This sequence belongs to sequence cluster 10298.f, and
it belongs to a clone representative of this cluster. For more
information about this cluster and the virtual cDNA, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq-CSDDIO26AH09NP1&cluster=10298.f. Contact :
Reng Liang Email : fliang@lifetech.com/URL :
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSODIO26AH09NP1.
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/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/clone_list strand cDNA was primed with a NotI-Oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR v
sites of the pCMVSPORT 6 vector. Library was normalized."
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 525)
                                                                                                                        BX396896 BX966896 HOMO SADIENS PLACENTA COT 25-NORMALIZED HOMO SADIENS CDNA CON 25-NORMALIZED HOMO SADIENS CDNA CLONE CSODI026Y017 3-PRIME, mRNA SEQUENCE.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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173 GGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 212
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Li,W.B., Gruber, C., Jessee, J. and Polayes, D. Full-length cDNA libraries and normalization Unpublished (2001)
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/db_xref="taxon:9606"
/clone="CS0D1026Y017"
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High Throughput Sequencing Center
University of Washington
University of Washington
University of Washington
University of Washington
University of Washington
University of Washington
University of Washington
University of Washington.edu
Tel: (2066 616-3618
Fax: (2066 616-3887
Email: jwallace@u.washington.edu
Clones are derived from the human BAC library RPCI-II. For BAC
Library availability, please contact Pieter de Jong
Library availability, please contact Pieter de Jong
Library availability, please contact Pieter de Jong
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/note="Vector: pBACe3.6; Site 1: EcoRI; Site 2: EcoRI;
Male blood DNA was isolated from one randomly chosen donor and partially digested with a combination of EcoRI and ECORI Methylase. Size selected DNA was cloned into the pBACe3.6 vector at EcoRI sites"
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(eller,A., Shaker,R., Furlong,J., Young,J., Zhao,S., Adams,M.D. and
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Proc. Natl. Acad. Sci. U.S.A. 96 (17), 9739-9744 (1999)
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/db_xref="taxon:9606"
/clone="Plate=625 Col=21 Row=E"
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September 14, 2004, 20:48:25; Search time 4828.88 Seconds (without alignments) 10546.560 Million cell updates/sec
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version 5.1.6
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                                             OM nucleic - nucleic search, using sw model
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Pred. No. is the number of results predicted by chance to have a

AX380396 Sequence
AX47579 Sequence
AX380400 Sequence
AX380402 Sequence
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PAT 18-MAR-2002	Euteleostomi; ; Homo. e,H.T.
linear	Vertebrata; i; Hominidae .V. and Chut
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AX380396 1175 bp Sequence 1 from Patent W00200710. AX380396.1 GI:19575326	Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. Welcher, A.A., Sarmiento, U.M., Schultz, H.J. and Chute, H.T. B7-like molecules and uses thereof Patent: WO 0200710-A 1 03-JAN-2002;
RESULT 1 AX380396 LOCUS DEFINITION ACCESSION VERSION KEYWORDS	SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL

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Yamamoto,J.I., Isono,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R.,
Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and
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Matches 1175; Conservative 0; Mismatches
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ORGANISM

GI:21751130

AK092516 AK092516.1

ACCESSION VERSION KEYWORDS SOURCE

21 TCAGTGACATGGTGGTAAGCGTCAGGCCCATGGAGCCCATCATCACCAATGACGCT 380 29 TCACCTCTCAGAGGTACGACGGCGGAACTTCACCTCGGAGATGATCATCACCAATGACGCT 380	CTGCTTACCTTACCGTCCAAGTTATGGGAGACTGTTCATTCCCAGTGTTAATCTTGTAG 4	понон	CTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTATCAGGTGTATTATCAA I	9 GCACCATGCTTCTGACGCCGACGTGTACTTACAATACGCTGCTGCTGCCGCCGTC 82	0 - 0 - 0 - 0 - 1
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AK092516 2051 bp mRNA linear PRI 15-JUL-2002 Homo sapiens cDNA FLJ35197 fis, clone PLACE6017788, highly similar to IGSFS.

RESULT 3
AK092516
LOCUS
DEFINITION

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Classes 1 to 2051)

Signiff and Yamamoto, J.

Losdail: T. and Yamamoto, J.

Listed (104-JUL-2002) Takao Isogai, FLJ Project (HRI Team); 2-6-7

Kazusa-Kamatari, Kisarazu, Chiba 292-0812, Japan

(E-mail:genomics@hri.oc.jp, Tel:181-438-52-3975, Fax:81-438-52-3986)

NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; CDNA full insert sequencing: Research Association for Biotechnology (RAB); CDNA ibrary construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5'- & 3'-end one pass sequencing: RHI, and Biotechnology Center, National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and RAB; annotation; HRI and RAB.
                         Kawakami, B., Sugiyama, A., Takemoto, M., Sugiyama, T., Irrie, R., Otsuki, T., Sato, H., Makamatsu, A., Ishii, S., Yamamoto, J., Isono, Y., Rawai-Hio, Y., Sato, K., Nishikawa, T., Kimura, K., Yamashita, H., Matsuo, K., Nakamura, Y., Sekine, M., Kikuchi, H., Kanda, K., Oshima, M., Murakawa, K., Kanehori, K., Takahashi-Pujii, A., Oshima, A., Suzuki, Y., Sugano, S., Nagahari, K., Masuho, Y., Nagai, K., NEDO human cDNA sequencing project
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Catarrhini; Hominidae; Homo.
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/clone_lib="pLACE6"
/note="cloning vector: pME18SFL3"
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/db_xref="taxon:9606"
/clone="PLACE6017788"
Bukaryota; Metazoa; Chordata;
Mammalia; Butheria; Primates;
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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B7-like molecules and uses thereof
Patent: WO 020710-A 5 03-JAN-2002
Amgen, Inc. (US)
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AX380400
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Qy 278 CATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTGG 337 Db 271 CATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTGG 330	0 0	ACTGGAC 45	51 F	57 57 57 57 57 57	578 CAAIGGGACTITGACTIGCGIGGCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAAC 	Qy 638 IGTAAAICTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGG 697	Oy 698 IGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACT 757	AY 758 TGGACTAGCAGCACCATGCTTCTGACGCCGACGTGTACTTTACAATACGCTGCTG 817	OY 818 CIGCGGCGTGTTGTTGTGGCTGCAACTGCTGCTGCTGTTGTTGTTGTTGTAGAAG 877	OY 878 AAAAAGAGGATTTCGATTTCAAAAGAAATCTGAAAAAGAAAG	2-S	OY 998 AGACACGCTTCTCTCCCCCAAATCCTGTGAATCCTGAACCTGAACAAACA	OY 1058 TAGTIGTGGCCTCCTCACCAGGGGCTGATCAACGTCCACCCAGGCAGCAAGTCATCC 1117	QY 1118 ACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1175 Db 1111 ACAGGCTTCTTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1168	z	SSION AX380402 ION AX380402.1 GI:19575332 RDS Homo sapiens (human)	sapiens yota, Me lia, Eut
Qy 891 CGTATTCAATTTCAAAGAAATCTGAAAAAGAGAAGAAAAAAAA	Qy 951 AGTGGAAATGAAAACTCCGGCTACAATTCAGATGAACAAAAGACCAGAGACACCGCTTCT 1010	QY 1011 CTCCCTCCCAAATCCTGTGAATCCAGTGATCCTGAACAAAAAAAA	OY 1071 CCTCACCAGGGGCTGATCAACGTCCACGCCAGCAAGTCATCACACAGGCTTCTTTT 1130 Db 1136 CCTCACCAGCGGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCACACAGGCTTCTTTT 1195	Qy 1131 AATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1175 	RESULT 5 AX380398 LOCUS AX380398 LOCUS AX380398 DEFINITION Sequence 3 from parent woodongto	ION AX380398 N AX380398.1 DS .		Schultz,H.J. and Chute,H ereof 2002;	FEATURES Amgen, Inc. (US) FEATURES Location/Qualifiers source 11168 /organism="Homo sapiens"		/codon_start=1	/translation="MVAGAMENRDPPGSGSGNEVIEGPQNARVLKGSQARFNCTVSQG WKLIMWALSDMVVJLSVRPMEDIITWDRFTSQRYDQGGNFTSEMIIHNVEESDSGNIRC SLQNSRLHGSAYLTVQVMGELFIPSVNLVVAENBPCEVTCLPSHWTWLPDISWELGIL VSHSSYYFVPEPSDLQSAVSILAIPQSNGTLTCVATWKSLKARKSATVNLTVTRPPO	DTGGGINIPGVLSSLPSLGFSLPTWGKVGLGLAGTWLLTPTCTLTIRCCCCRRRRCCGC NCCCRCCRCRRRGFRIQFQKKSBKBKTWKBTBTFSGNBNSGYNSDEQKTTDTASLP PKSCESSDPEQRNSSCGPPHQRADQRPPRPASHPQASFNLASPBKVSNTTVV"	Query Match 87.4%; Score 1027; DB 6; Length 1168; Best Local Similarity 99.9%; Pred. No. 0; Matches 1077; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	OY 98 AGTCCTGAAGGGTCCCAGGTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCAT 157	151 CATGROGGTTCACATGATGATGATGATGATGAGCCCATCATCATCAC 218 CAATGACGCTTCACAGAGATACAACAACAACAAAAAAAAA	

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Taudien,S., Dagand,E., Hildmann,T., Nordsiek,G., Drescher,B., Schattevoy,R., Weber,J., Schilling,M., Menzel,U., Yaspo,M.L. and
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Homo sapiens chromosome 21q22.3 PAC 206A10, complete sequence.
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                            Welcher,A.A., Sarmiento,U.M., Schultz,H.J. and Chute,H.T. B7-like molecules and uses thereof Patent: WO 0200710-A 7 03-JAN-2002; Amgen, Inc. (US)
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1. 1139
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Conservative 0; Mismatches
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repeat_region complement(1234612827) /evidence=not_experimental /rpt_family="MITIC"	at_region	complement(1305713161) /note="MZEF, score = 76.1%" /evidence=not experimental repeat_region complement(1322613364)		/evidence=not experimental /rpt_family="AluSx" repeat_region_complement(14317, .14614)	/ evidence=not experimental /rpt family="LTR37A" exon complement(1496215036)	repeat_region 15255. 15299	/evidence=not_experimental /rpt_family="LipA6" exon complement(1546915497)	/note="Xpound exon prediction, score = 62% (0%)" /evidence=not_experimental repeat_region 1604516768	# # #	/evidence=not	/rpt family /rpt family //rpt family //rpt family //rpt family //rpt family //rpt family //rpt family //rpt family //rpt family //rpt family //rpt /	/evloence=not_experimental /rpt_family="THEIA" repeat_region_1720917632	revlacance=not experimental /rpt_family="MER14" repeat_region complement(17633.1769) /evidence=not experimental	/rpt_family="Ālu§gl" repeat_region complement(1800418334) /evidence=not experimental	/rpt_family="LTR17" repeat_region complement(18335, .18632) /evidence=not_experimental	/rpt_family="HBRV17" 1835218450 /note="GRAIL, score = 51.000%, comment = good shadow"	omment =		/rpt_ramily="HERV17" exon	exon	<pre>/*vaterance=not experimental 21150212750212750</pre>	Query Match 25.7%; Score 302; DB 9; Length 142742; Best Local Similarity 100.0%; Pred. No. 1.6e-166; Matches 302; Conservative 0; Mismatches 0; Indels 0; Gaps
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* GBF, Dept. of Genome Analysis,
* Mascheroder Weg 1, D-38124 Braunschweig, Germany, * e.mail:
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* URL: http://genome.gbf.de/
                                                                                                                        * Max-Planck Institute for Molecular Genetics,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /clone="p70124"
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                                                                                                                                         * Ihnestrasse 73, D-14195 Berlin, Germany,
* e.mail: info-chr21@molgen.mpg.de
* URL: http://chr21.rz-berlin.mpg.de/.
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Eukaryota, Eutheria, Primates, Catarrhini; Hominidae, Homo.

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E Hattori, M., Fujiyama, A., Taylor, T.D., Watanabe, H., Yada, T., Park, H.S., Soeda, E., Park, H.S., Toyoda, A., Ishii, K., Totoki, Y., Choi, D.K., Soeda, E., Park, H.S., Toyoda, A., Sakaki, Y., Taudaen, S., Blechschmidt, K., Polley, A., Menzel, U. Delabar, U., Kumpf, K., Lehmann, R., Polley, A., Merchald, K., Rump, A., Schillhabel, M., Schudy, A., Zimermann, W., Rosenthal, A., Sasaki, T., Shimizu, N., Nordsiek, G., Antonarakis, S.B., Minoshima, S., Shimizu, N., Nordsiek, G., Hornischer, K., Brandt, P., Schaffe, M., Schoen, O., Desario, A., Hennig, S., Kieseelmann, L., Dagand, E., Wehrmeyer, S., Borzym, K., Gardiner, K., Nizetic, D., Francis, F., Lehrach, H., Reinhardt, R. and
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The Chromosome 21 Mapping and Sequencing Consortium consists of * RIKEN Genomic Sciences Center, Human Genome Research Group, *
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                                                                                                               487
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     * Institute of Molecular Biotechnology, Genome Analysis, *Beutenbergstrasse 11, D-07745 Jena, Germany, *e.mail: gscj-submit@genome.imb-jena.de *URL: http://genome.imb-jena.de/
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Homo sapiens chromosome 21 segment HS21C080.
AL163280.2 GI:7717369
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* e.mail: shimizu@dmb-med.keio.ac.jp
* URL: http://adenine.dmb.med.keio.ac.jp/
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* e.mail: sakaki@gsc.riken.go.jp
* URL: http://hgp.gsc.riken.go.jp/
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273834 AGTIATGGGAGGGGTGTTCATTCCCAGTGTTAATCTTGTAGTCGCTGAGAATGAACCTTG 273893
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Pan troglodytes chromosome 22 BAC CH251-179K04, complete sequence.
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Unpublished Chromosome 22 genomic sequence
2 (bases 1 to 182532)
Scharfe, M., Berg, C., Conrad, A., Hornischer, K., Loehnert, T.H., Ludewig, M., Thies, S., Weber, K. and Bloecker, H.
Buiect Submission
Submitted (03-JUN-2003) GBF, Dept. of Genome Analysis, Mascheroder Meg 1, D-38124 Braunschweig, Germany, B-mail: info:genome@gbf.de
The Chimpanzee Chromosome 22 Sequencing Consortium consists of :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Craniata; Vertebrata; Euteleostomi;
Catarrhini; Hominidae; Pan.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AGTGAGCATCCTGGCTCTGACCCCACAGGAATGGGACTTTGACTTGCGTGGCTACCTG
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                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                            25.7%; Score 302; DB 9; Length 340000; 100.0%; Pred. No. 1.7e-166; O; Mismatches 0; Indels 0;
                                                                                                /rpt_family="SINE/Alu"
/rpt_type=DISPERSED
complement(13598, .13892)
                                                               complement (13115. .13425) /note="AluSx"
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Center project name:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Center clone name: CH251-179K04
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Eukaryota; Metazoa; Chordata;
Mammalia; Butheria; Primates;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Center: GBF, Braunschweig
Center code: GBF
         12649. .12678
/gene="SH3BGR"
/number=5
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AL954228.1 GI:37619870
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                                                                                 oin(<3473. .3565,12649. .12678,15331. .15460,18739. .19157)
gene="SH3BGR"
                                                                                                                                                                                    /codon_start=1
/codon_start=1
/product="21-Glutamic Acid Rich protein 21-GARP"
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/db_xref="GOA:P55822"
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/db_xref="SWISS-RABGGGFRAQKEGSEDVGNLPEAQEKNEEEGETATEETEE
IAMEGAEGEAEBEETAAGEEPGEDEDS"
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gene="SHJBGR"
note="Accession No. X93498"
                 rpt_family="Simple_repeat"
rpt_type=TANDEM
473. .19157
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/rpt_type=TANDEM
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/note="AluSp"
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/rpt_type=DISPERSED
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complement(11315, .11556)
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/note="Alug"

/rpt_family="SINE/Alu"

/rpt_type=DISPERSED

complement (9723 . .9882)

/note="L2"
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complement (6887. .7067)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /rpt_family="LINE/L1"
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/rpt_type=DISPERSED
9131. .9424
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11702. 11753
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/note="(TTTA)n"
note=" (TCCA) n"
                                                                         gene="SH3BGR"
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/note="AluSx"
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The PTB1 chimpanzee BAC library was prepared from DNA isolated from cultured cells established from the blood of a single male
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                         Tax:81-55-981-6789)
The Chimpanzee Chromosome 22 Sequencing Consortium consists of:
*Chinese National Human Genome Center at Shanghai, Shanghai, China;
*Chinese National Human Genome Center at Shanghai, Shanghai, China;
*GBF, Dept. of Genome Analysis, Braunschweig, Germany; *Institute
of Molecular Biotechnology, Jena, Germany; *KRIBB Genome Research
                                                                                                                                                                                                                                                                                                                                                                                   center clone name: PTB-060FIRE Consensus 42 sequencing Project Consensus quality: 156,288 bases at least Q40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >=
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All manually edited bases have been reduced to quality zero.

Quality levels above 40 are expected to have less than 1 error in
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                                                                                                                                                  Center, Daejeon, Korea:
*Max-Planck-Institute for Molecular Genetics, Berlin, Germany;
*National Institute of Genetics, Mishima, Japan;
*National Institute of Genetics, Geneme Research Center, Taipei,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Neighboring clones: CH251-179K04(left) and PTB-103H04(right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             an attempt was made to resolve all sequencing problems, such compressions and repeats; all regions were covered by at one
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .,
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JRL:http://sayer.lab.nig.ac.jp/, Tel:81-55-981-6790,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
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156,288 bases at least Q30
156,288 bases at least Q20
                                                                                                                                                                                                                                                                    *RIKEN Genomic Sciences Center, Yokohama, Japan.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /chromosome="22"
/clone="PTB-060F12"
/clone_lib="PTB1 chimpanzee BAC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       subclone or more than one M13 subclone;
                                                                                                                                                                                                                                                                    Center: National Institute of Genetics Center code: NIG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Pan troglodytes"
/mol_type="genomic DNA"
/db_xref="taxon:9598"
                                                                                                                                                                                                                                                                                                                                                                   Web site: http://sayer.lab.nig.ac.jp/
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VECTOR: pKS145
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100.0%; Pre
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                                                                                                                                                                                                                                                         + Analysis and annotation were performed with the automatic + 'first-pass' annotation and submission tool + 'AnnoMitter' (Hornischer & Bloecker).
                                                                                                                                                                                                                                                                                                                                                                           Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Pan.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note="assembly_fragment.clone_end:T7.vector_side:left
assembly_fragment.clone_end:SP6.vector_side:right"
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Saitou, N., Kim, C., Kitano, T., Oota, S., Shimada, M., Kryukov, K.,
Tomiki, T. and Kohara, Y.
Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            460 GGCTCCCGGATATTTCCTGGGAGCTCGGTCTGGTCAGCCATTCAAGCTATTATTTTG
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DNA sequence of chimpanzee chromosome 22 and its evolutionary
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0;
                                                            Assembly program: ##
Consensus quality: 0 bases at least Q40
Consensus quality: 0 bases at least Q20
Consensus quality: 0 bases at least Q20
Estimated insert size: ##: agarose-fp estimation
Estimated insert size: #8:332; sum-of-contigs estimation
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               Dye-terminator-amersham: ##% of reads
                                                                                                                                                                                                                                                                                                                                                       Programs used by 'AnnoMitter':
                                        Chemistry: Dye-primer-amersham: ##% of reads
                                                                                                                                                                                                                                PROGRAMS AND PARAMETERS USED FOR ANNOTATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 17.0%; Score 200; DB 9; Le Best Local Similarity 100.0%; Pred. No. 5.4e-106; Matches 200; Conservative 0; Mismatches 0;
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score = 28, counts = 3"
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/rpt_unit="sqtatctattctgattgggcagtgctcatac"
complement(20371. .20556)
/evidence=not experimental
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complement (22583. .23201)
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complement (13823. .14116)
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/rpt family="MERSA" instal
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/rpt_family="THEIB"
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complement(10456, .10720)
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Bukaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo.

En (Dases 1 to 199665)

S Taudien,S., Nordsiek,G., Korenberg,J., Drescher,B., Weber,J.,

Schattevoy,R. and Rosenthal,A.

Direct Submission

AL Submitted (11-MAY-1998) Genome Analysis, Institute for Molecular

Submitted (11-MAY-1998) Genome Analysis, Institute for Molecular

Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany

Location/Qualifiers

I . 199665

/ Organism="Homo sapiens"
/ Mol_type="Genomic DNA"
/ Abstref="Laxon:9606"
/ Chromosome="21"
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Homo sapiens BAC derived from chromosome 21q22.3, complete
sequence, containing PEP19 (PCP4) gene.
61 CAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTGACTTGCGTG 120
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| evidence=not_experimental | forth | family="LIPA2" | family="LIPA2" | family="LIPA2" | forth | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" | family="LIPA2" |
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Complement(1. .383)
complement(r. .383)
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747. .814
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14997_.1588
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AF064857.1 GI:3171149
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Chases 1 to 192219)
Scharfe,M., Berg,C., Conrad,A., Hornischer,K., Loehnert,T.H.,
Ludewig,M., Thies,S., Weber,K. and Bloecker,H.
Ludewig,M., Thies,S., Weber,K. and Genome Analysis, Mascheroder
Submitted (25-JUN-2003) GBF, Dept. of Genome Analysis, Mascheroder
Weg 1, D-38124 Braunschweig, Germany, B-mail: info.genome@gpf.de
On Nov 19, 2003 this sequence version replaced gi:38228900.
The Chimpanzee Chromosome 22 Sequencing Consortium consists of:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRI 19-NOV-2003
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The Chimpanzee Chromosome 22 Sequencing, Consortium. Chimpanzee chromosome 22 genomic sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              *GBF, Dept. of Genome Analysis, Braunschweig, Germany; *Institute of Molecular Biotecnology, Jena, Germany; *KRIBB Genome Research
                                                                                                                            RP43002119 192219 bp DNA linear PRI 19-NOV-20
Pan troglodytes chromosome 22 BAC RP43-002119, complete sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Center, Daejeon, Korea;
*Max-Planck Institute for Molecular Genetics, Berlin, Germany;
*National Institute of Genetics, Mishima, Japan;
*National Yang Ming University Genome Research Center, Taipei,
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Chemistry: Dye-primer-amersham: ##% of reads
Chemistry: Dye-primer-amersham: ##% of reads
Chemistry: Dyeopram: ##
Consensus quality: 0 bases at least Q40
Consensus quality: 0 bases at least Q20
Estimated insert size: ##; agarose-fp estimation
Estimated insert size: ##; agarose-fp estimation
Programs used by 'AnnoMitter'
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Contact: info.genome@gbf.de
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complement(40243..40542)
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40543..41180
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8.5%; Score 100; DB
Best Local Similarity 100.0%; Pred. No. 1.1.
Matches 100; Conservative 0; Mismatches
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1136 GGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1175

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complement(11072. 11156)
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/ map="21q22.3"
/ clone="cosmid Q11M15"

clone="cosmid Q11M15"

complement(233. 586)
/ cvidence=not experimental
/ rpt_family="AluSc"

complement(433. 964)
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complement(1053. .1176)
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Homo sapiens chromosome 21q22.3 cosmid Q11M15, complete sequence.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo
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(bases 1 to 40205)

Taudien,S., Nordsiek,G., Dagand,E., Hildmann,T., Drescher,B.,
Weber,J., Rosenhal,A. and Yaspo,M.L.
Direct Submission
Submitted (29-JAN-1998) Genome Analysis, Institut for Molecular
Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany
Location/Qualifiers
                                                                                                                                                                                                                                                                                               255 GGGAACTICACCICGGAGAIGAICAICCACAAIGIGGAGCCCAGIGAITCGGGGAACAIC
                                                                                                                                                                                                                                    Gaps
assembly_fragment~clone_end:SP6~vector_side:right"
                                                                                                                                                                                                                                    0;
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                                                                                                                                      DB 9; Length 192219;
4.6e-30;
hes 0; Indels 0
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                                                                                                                         ch 6.1%; Score 72; DB 1 Similarity 100.0%; Pred. No. 4.6 72; Conservative 0; Mismatches
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complement (3221. .3658)
/evidence=not_experimental
/rpt_family="MLTIC"
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/rpt_family="ĀluJb"
complement(4330, .4433)
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/organism="Homo sapiens"
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/db_xref="taxon:9606"
/chromosome="21"
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ACCESSION
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KEYWORDS
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AF045450
LOCUS
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AUTHORS
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JOURNAL
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exon

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Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Bukaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo.
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

2E (Adaes 1 to 17012)

Raff, H. S., Toyoda, A., Taylor, T. D., Watanabe, H., Yada, T., Park, H.-S., Toyoda, A., Taylor, Y., Choi, D.-K., Soeda, E., Ohki, M., Takagi, T., Sakaki, Y., Taudien, S., Bleenschmidt, K., Polley, A., Menzel, U., Delabar, J., Kumpf, R., Lehmann, R., Schudy, A., Patterson, D., Reichwald, K., Rumpf, A., Schillhabel, M. B., Schudy, A., Sinnermann, W., Rosenthal, A., Kudoh, J., Kawasaki, K., Asakawa, S., Shintani, A., Sasaki, T., Nagamine, K., Miteuyama, S., Antonarakis, S. B., Minoshima, S., Shimizu, N., Nordsiek, G., Antonarakis, S. B., Minoshima, S., Schoen, O., Deastio, A., Reichelt, J., Kauer, G., Bloccker, H., Ramser, J., Beck, A., Klages, S., Hennig, S., Rieseslmann, L., Degand, E., Haaf, T., Wehrmeyer, S., Hennig, S., Rieseslmann, L., Dagand, E., Haaf, T., Wehrmeyer, S., Reinhardt, R. and Yasoy, M. Laure.

The DNA sequence of human chromosome 21

Nonere 405 (6784), 311-319 (2000)
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                                                                                                                                                                                                                                                                                                                    AFU64860 170121 bp DNA linear PRI 05-MAR-2002
Homo sapiens chromosome 21 clone PAC 70124 map 21q22.3, complete
sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Direct Submission
Submitted (27-FEB-2002) Genome Analysis, Institute of Molecular
Submitted (27-FEB-2002) Genome Analysis, Institute of Molecular
Biotechnology, Beutenbergstr. 11, Jena 07745, Germany
4 (bases 1 to 17012)
Rump, A., Dagand, B., Hildmann, T., Nordsiek, G., Drescher, B.,
Rump, A., Dagand, B., Hildmann, T., Nordsiek, G., Drescher, B.,
Direct Submission
Submitted (05-MAR-2002) Genome Analysis, Institute of Molecular
Biotechnology, Beutenbergstr. 11, Jena 07745, Germany
On Feb 27, 2002 this sequence version replaced gi:3171153.

1. 170121
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                                                                 Gaps
                                                                                                                                                             2 (bases 1 to 170121)
Rump, A., Dagand, E., Hildmann, T., Nordsiek, G., Drescher, B., Weber, J., Schattevoy, R., Yaspo, M.-L. and Rosenthal, A. Direct Submission
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4.5%; Score 53; DB 9; Length 170121;
Best Local Similarity 100.0%; Pred. No. 8.6e-19;
Matches 53; Conservative 0; Mismatches 0; Indels 0.
                                                                 0
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Length 40205;
Query Match
4.5%; Score 53; DB 9; Length 402
Best Local Similarity 100.0%; Pred. No. 8e-19;
Matches 53; Conservative 0; Mismatches 0; Indels
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HTG; HTGS_DRAFT.
Homo sapiens (human)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note="GRAIL, score = 45.000%, comment = marginal shadow" /evidence=not_experimental /evidence=not_experimental /evidence=not_experimental /note="GenScar", score = 2.99%, comment = Internal_exon 131 bp frame: 1 phase: 2"
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/note="MAZE, score = 93.5%"
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16880..17318
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15065. 15188
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15130. 15378
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VRAQRGGVTESASSAVPDEAGTWVEVVRGNORGNKONGVNLPQOSAOROPAHROHOOW
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CSVHEARKVSGQLTRCFRCLERGHIAATCTGEDRSKRCLRCGDQTHKASGCTNEVKCM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Submitted (36-AUG-2002) Kenji K Kojima, University of Tokyo, Department of Integrated Biosciences, Graduate School of Frontier Sciences, Bioscience Building 501, 5-1-5 Kashiwanoha, Kashiwa, Chiba 277-8562, Japan (E-mail:kk27513@mail:ecc.u-tokyo.ac.jp, Tel:81-4-7136-361, Fax:81-4-7136-3660)
                                           155523 CTGTCTGCCCATCTGAATAACAAGAGATGGGGCTTGTGATTTTCCTCCACGGT 155575
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Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea;
   CTGTCTGCCCATCTGAATAACAAGAGATGGGGGTTGTGATTTTCCTCCACGGT
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Evolution of Target Specificity in R1 Clade Non-LTR
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959. 2540
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2544. .6212
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Kojima, K.K. and Fujiwara, H.
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VARQAVDATAAWMEDHHLQIAPEKTEGYMISSIRRGQIKKYPFRVGDTITHSKQSIRYL
GVQIHDHLSWKPHVELSTAKALRVVGVVTAVWRNHSGPQVAKRRLLAAAVBESITRYAA
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SAMAAABERREDSILMAAVRAEEAGERAPPITWRRGLAFPSPRTVRARRARBEREVURLA
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ORIGIN

Length 6470; 0; Indels DB 3; 2.1%; Score 25; DB 100.0%; Pred. No. 0.0 ative 0; Mismatches Query Match
Best Local Similarity 100.
Matches 25; Conservative

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1574 derderderderrerrerrerge 1550 871 847 GCTGCTGCCGTTGTTTTTCTGCTG à 엄

Search completed: September 15, 2004, 03:47:20 Job time : 4833.88 secs

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GenCore version 5.1.6
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September 14, 2004, 19:19:38 Run on:

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US-09-729-264-1

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3373863 seqs, 2124099041 residues Searched:

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Post-processing: Listing first 45 summaries

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7: geneseqn2003as:* geneseqn2003cs:* Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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ALIGNMENTS

Human, B7-like protein, B7-L, antiinfertility, gynaecological, antitumour, cytostatic, immunosuppressive, antiarthritic, antirheumatic, antiinflammatory, dermatological, antipsoriatic, neuroprotective; antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; antialsergic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss. /*tag= a /product= "B7-like protein, B7-L_h1" Chute HT; encoding human B7-like protein, B7-L hl. Schultz HJ, Location/Qualifiers ABK13028 standard; cDNA; 1175 BP. 28-JUN-2000; 2000US-0214512P. 28-NOV-2000; 2000US-00729264. 28-JUN-2001; 2001WO-US020719. Sarmiento UM, (first entry) WPI; 2002-130881/17. (AMGE-) AMGEN INC. P-PSDB; AAU75540 WO200200710-A2. sapiens. 23-APR-2002 03-JAN-2002. Welcher AA,

New B7-like polypeptides, polynuclectides and their modulators, useful for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.

Fig 1; 135pp; English

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useful for enhancing the immune regulators of byth proprepries are useful for enhancing the immune regulators of the observation of growth and maintenance of cancer cells based on the observation of seminal vesicle hyperplasia in transgenic mice overexpressing B7-L polypeptide. Hence modulators of (1) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cetticular cancer and cancers of haematopoietic system. B7-L polypeptide plathway can be manipulated to regulate cytotoxic T-lymphocyte response in allograft transplantation, graft versus host disease. T-cell dependent B-coll mediated diseases and autoimmune diseases. B7-L molecules are useful for alleviating the symptoms associated with diseases involving chronic immune cell dysfunction or to treat autoimmune diseases such as systemic immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and userties). Grave's disease, Hashimoto's thyroidities and disease such as inflammatory bowel disease (Crohn's disease and useful for disponsis and treatment of diseases (Crohn's disease and colltis), Grave's disease, Hashimoto's thyroidities and collemnial cell proliferation or to prolong graft survival. B7-L bone marrow and organ transplantation or to prolong graft survival. B7-L molecules are also useful for disponsis and treatment of diseases (Crohn's allowidation de toblood allowidation of toxic shock spindrome or allosentistisation de toblood allowidation de toblood allowidation of toxic shock spindrome or allosentistisation de toblood allowidation of toxic spindrome and hyporasmitivity of the spindrome or allowidation de toblood allowidation of toxic spindrome or allowed allowed and hyporasmitivity.
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                              The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polymucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, pretern labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are extracellular domains and other regulators (I) plays a role in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  transfusions, and for treatment of allergy, asthma and hypersensitivity reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies (Grave's disease), various pneumopathies (extrinsic alveolitis), vasculopathies, coeliac disease, anaemia, thrombocytopenias, Guillain-Barre syndrome and myaschenia gravis, and lymphoproliferative disorders such as multiple myeloma. The present sequence represents the coding sequence of human B7-L_h1
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TGACGCCGACGTGTACTTTACAATACGCTGCTGCTGCCGCCGTCGTTGTTGTGGCT
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                                                                   AAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTGACTTGCGTGG
                                                                                   CTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACTGTGATTCGGT
                                                                                                                       GTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTT
                                                                                                                                                                    Greeceaagacaeregaggregrarraararreeaggregrarrareaagrraaceagrr
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                                                                                                                                                                                                   AGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; ss; gene; pharmaceutical; diagnostic; gene therapy; tissue regeneration; cell regeneration; membrane protein; signal transduction-related protein; transcription-related protein; osteoporosis; neurological disease; cancer; tumour.
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/product= "Clone PLACE60177880 protein"
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New polynucleotides and polypeptides, useful for developing a diagnostic marker or medicines for regulation of their expression and activity, or
                                                               HELIX RES INST.
RES ASSOC BIOTECHNOLOGY.
                                                                                                                                                         Claim 1; Page; 222pp; English
                                28-MAR-2002; 2002EP-00007401,
                                            05-NOV-2001; 2001JP-00379298.
25-JAN-2002; 2002US-00350978.
                                                                                                                                            targets of gene therapy.
                                                                                   Sugiyama T,
                                                                                          J, Isono Y,
Yoshikawa T,
                                                                                                            WPI; 2003-450961/43.
P-PSDB; ADB64920.
       EP1308459-A2
                   07-MAY-2003
                                                                                          Yamamoto J,
                                                                                   Isogai T,
                                                               (HELI-)
(REAS-)
                                                                                               Seki N,
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Otsuki T, Wakamatsu A, Sato H, Ishii S; Hio Y, Otsuka K, Nagai K, Irie R, Tamechika I; Otsuka M, Nagahari K, Masuho Y;

The invention discloses a polymucleotide comprising a sequence selected from 1970 fully defined nucleotide sequences which encode novel collined is a polymeptide encoded by the polymucleotide, on antibody binding to the polympetide or peptide or its partial peptide, immunologically assaying the polympetide or peptide of the polymucleotide, immunologically assaying the polympetide or peptide of the polymucleotide by contacting the polympetide or peptide or with the antibody of the encoded protein, and observing the binding between the two, a transformant carrying the polymucleotide in a series of a primer for synthesising the polymucleotide in a succeeding the polymucleotide. The oligonucleotide is useful as a primer for synthesising the polymucleotide in as a probe for detecting the polymucleotide in the polymucleotide and encoded proteins are useful as pharmaceutical agents and many disease-related conceins are useful as pharmaceutical agents and activity, or as targets of genes may be included in them, for developing a diagnostic marker or medicines for regulation of their expression and activity, or as targets of gene therapy. The genes are involved in tissue and/or cell concoding them can be used as indicacors for diseases (e.g. osteoporosis, concoding them can be used as indicacors for diseases (e.g. osteoporosis, neurological diseases, cancer, tumours. The cDNA may be used to regulate the activity or expression of the encoded protein to treat diseases. The sequence presented is a cDNA of the invention. Note: Some of the sequence can be used as indicacting the invention of the printed specification, but is based on sequence information supplied by the European Patent office.

ACGGTTCTGGGTCTGGTAATGAAGTCATAGAAGGCCCCCAGAATGCAACAGTCCTGAAGG 108 320 288 GCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGCTC 168 228 380 289 TGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGCCTGCATGGAT 348 261 GCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGCTC TCAGTGACATGGTGGTAAGCGTCAGGCCCATGGAGCCCATCATCACCAATGACCGCT TCAGTGACATGGTGGTGCTAAGCGTCAGGCCCATGAAGCCCATCATCACCACCAGGCCC TCACCTCTCAGAGGTACGACGAGGGGGAAACTTCACCTCGGAGATGATCATCACAATG TCACCTCTCAGAGGTACGACCAGGGGGGAACTTCACCTCGGAGATGATCATCACAATG Gaps . 0 Score 1076; DB 9; Length 2051; Pred. No. 0; Sequence 2051 BP; 580 A; 463 C; 474 G; 534 T; 0 U; 0 Other; 1; Indels Pred. No. 0; 0; Mismatches Query Match
Best Local Similarity 99.9%;
Matches 1126; Conservative 49 109 169 321 381 229

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1128 408 468 620 528 680 588 740 648 948 1221 CTCCTCACCAGCGGGCTGATCAACGTCCAGGCCAGCCAAGTCATCCACAGGCTTCTT 1280 800 708 980 888 860 768 920 CTGCTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGTTAATCTTGTAG CTGCTTACCTTACCGTCCAAGTTATGGGAGGGCTGTTCATTCCCCAGTGTTAATCTTGTAG TCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACAGACCCGGCTCCCGG ATATTTCCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGC 621 ATATTICCIGGGAGCICGGICICCIGGICAGCCATICAAGCIATTATTITGTICCGGAGC CTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAA GITTACCGAGITTAGGITTITCAITGCCTACTIGGGGCAAAGITGGACTIGGACTAGCAG 949 AAAGIGGAAAIGAAAACTCCGGCTACAAIICAGAIGAACAAAAGACCACAGACACCGCII CCAGCGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGAACTT ccaeceaccricaaagrecagreaccarccreecreaccccacaeaccarr CTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAA 1041 TTCGTATTCAATTTCAAAAGAATCTGAAAAAGAGAAGAAACAAAGAAACTGAGACAG 1101 AAAGTGGAAATGAAAACTCCGGCTACAATTCAGATGAACAAAAGACCACAGAAACCGCTT 1009 CICICCCICCCAAAICCIGIGAAICCAGIGAICCIGAACAAAGAAACAGIAGCIGIGGCC GTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACTTGGACTAGCAG GCACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTC GITGITGIGGCIGCAACTGCTGCTGCTGTTGTTTCTGCTGTAGAAGAAAAGAGGAT 1069 CTCCTCACCAGGGGGTGATCAACGTCCACCCAGGAGGCAAGTCATCCACAGGCTTCTT 1129 TTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1175 DNA encoding human B7-like protein, B7-L_h3. ABK13030 standard; cDNA; 1240 BP (first entry) 23-APR-2002 889 349 501 409 469 529 681 589 741 649 801 709 861 169 829 1281 ABK13030; RESULT 3 **ABK13030** ŏ g à qq ò 셤 à d à g g ð ð g à 쉱 g g à 8 ò g ò 셤 ò pp d à

Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatological; antipsoriatic; neuroprotective;

antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; antiasthmatic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.

Homo sapiens.

Location/Qualifiers 80. 1240 /*tag= a /product= "B7-like protein, B7-L h3"

WO200200710-A2.

03-JAN-2002.

28-JUN-2001; 2001WO-US020719.

28-JUN-2000; 2000US-0214512P. 28-NOV-2000; 2000US-00729264.

(AMGE-) AMGEN INC.

Welcher AA, Sarmiento UM, Schultz HJ, Chute HT;

WPI; 2002-130881/17. P-PSDB; AAU75542. New B7-like polypeptides, polynucleotides and their modulators, useful for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.

Claim 1; Fig 3; 135pp; English

The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polymucleotide encoding it and antibody against (I) are polypeptide, polymucleotide encoding it and antibody against (I) are conditions including P7-like polypeptide-related disease, disorders or conditions including P7-like polypeptide-related disease, disorders or miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are considered including seminal vesicle hyperplasta in transgenic mice overexpressing B7-L conformal vesicle hyperplasta in transgenic mice overexpressing B7-L colloperied. Hence modulators of (I) are useful for the treatment of seminal vesicle hyperplasta in transgenic mice overexpressing B7-L colloperied. Hence modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, ceresticular cancers and cancers of hemanopoletic system. B7-L molecules are useful considered diseases and autoimmune disease. B7-L molecules are useful cort alleviating the symptoms associated with disease involving chronic for alleviated diseases and autoimmune disease. B7-L molecules are useful cort memanocytopenic purpura and psoriasis, chronic inflammatory diseases such as inflammatory bowel disease. Habinoto's thyroiditis and ulcerative colitis), Grave's disease, Habinoto's thyroiditis and ulcerative colitis), Grave's disease, Habinoto's thyroiditis and ulcerative colitis), Grave's disease (I mollypeptides are useful for diseases such as inflammatory bowel disease (Lon's disease and vascular restencesis. Antagonists of B7-L polypeptides are useful for diseases such as inflammatory bowel disease (Cromic inflammatory diseases und avoing the are also useful as maning are useful for disease contractions, mephropathies (e.g. glomerulomephries, coeliac disease, delabetes or alleviation of toxic shock syndrome or alleviated or alleviation of toxic

Sequence 1240 BP; 318 A; 319 C; 305 G; 298 T; 0 U; 0 Other;

Query Ma Best Loc Matches	atch sal S	DB 6; Length 1240; 1; Indels 0; Gaps
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o, k	11	AGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATG
qq ,	76	COCCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGGCTCTC 23
& <u>8</u>	236 2	9
ογ	231	GGGAACTICACCTCGGAGATGATCATCCACAATGTG 29
Ωþ	296	CCTCTCAGAGGTACGACCAGGGGGGGAACTTCACCTCGGAGATGATCATCCACAATGTG 35;
8 8	291	GAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTGGCTGCATGGATCT 350
i č	23	CTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGTTAATCTTGTAGTC 41
Db	416	TAGT
č i	11	GCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGACCCGGCTCCCGGAT 470
gp Gp	476	GAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGACCCGGCTCCCGGAT
Pb 64	471	ATTICTIGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCC 530
δλ	531	SACCTICARAGIGCAGIGAGCAICCIGGCICIGACCCCACAGAGGAAIGGGACITIG 59
pp	296	caacciicaaagigcagigaacaicciggcicigacccacagaggaatgggactig 65
QY	591	CAACTGTAAATCTCACT 65
qq	959	CTTGCGTGGCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACT 71:
δλ	651	CAGGTGTATTATCAAGT 71
qq	716	TGATICGGIGICCCCAAGACACIGGAGGIGGIATIAAIATICCAGGIGIATIAICAAGI 77;
ò	711	CAGGC 77
Db	116	TACCGAGTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACTTGGACTAGGAGTAGGGC 83
δλ	7	CGCCGTCGT 83
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à	101	CCTCACCAGCGGCTGATCAACGTCCACCCAGGCAAGTCATCCACAGGCTTCTTT 1130

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ccrcaccagcggcrgarcaacgrccacccaggccagcaagrcarccacaggcrrcrrrr 1195
                                                                                                                                                                                           Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatological; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antibaterial; virucide; untiallergic; antiathwatic; antibaterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.
1131 AATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1175
                                              1196 AATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1240
                                                                                                                                                                                                                                                                                                                                                  /product= "B7-like protein, B7-L h2"
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                                                                                                                                                                          DNA encoding human B7-like protein, B7-L_h2.
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P-PSDB; AAU75541.
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d ð g Пр ð 충 g ð g ð 셤 qq à ð g 8 셤 à g ਨੇ The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polynucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, conditions including reproductive disorders (e.g. infertility, and conditions including reproductive disorders and endometriosis) and confirmative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in craspinal vesicle hyperplasia in transgenic mice overexpressing B7-L polypeptide. Hence modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic system. B7-L polypeptide response in pathway can be manipulated to regulate cytotoxic T-lymphocyte response in considered diseases and autoimmune diseases. T-cell dependent B-cell mediated diseases and autoimmune diseases. B7-L molecules are useful for alleviating the symptoms associated with diseases involving chronic useful New B7-like polypeptides, polynucleotides and their modulators, ufor diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis. Claim 1; Fig 2; 135pp; English

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immune cell dysfunction or to treat autoimmune diseases such as systemic lupus erythematosus, rheumatoid arthritis, multiple sclerosis, diabetes, disease thrombocytopenia and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and disease such as inflammatory bowel disease, Hashimoto's thyroiditis and clabetes mellitus. They are also useful as immunosuppressive agents for bone marrow and organ transplantation or to prolong graft survival. B7-L molecules are also useful for diagnosis and treatment of diseases or involving abnormal cell proliferation, including arteriosclerosis and vascular restenosis. Antagonists of B7-L polypeptides are useful for alleviation of toxic shock syndrome or allosensitisation due to blood transfusions, and for treatment of allergy, asthma and hypersensitivity creations, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies (Grave's disease), various pheumopathies (extrinis, alveolitis), vasculopathies, coeliac disease, anaemia, thrombocytopenias, Guillain-Barre syndrome and myasthenia cy present sequence represents the coding sequence of human B7-L_D2.
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                                                                                                                                                                       1051 TAGCTGTGGGCCTCCTCACCGGGCTGATCAACGTCCACCCAGGCCAGGAAGTCATCC 1110
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/product= "B7-like protein, B7-L_h4"
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cc useful for treating B7-like polypeptide-related disease, disorders or useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscartiage, preterm labour and delivery and endometriosis) and proliferative disorders: Antibodies, soluble proteins comprising proliferative disorders: Antibodies, soluble proteins comprising correctlular domains and other regulators of B7-L polypeptides are conseful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of convert properties and cancer cells based on the observation of seminal vesicle hyperplasia in transgenic mice overexpressing B7-L concer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cesticular cancer and cancers of haematopoietic system B7-L polypeptide testicular cancer and cancers of haematopoietic system. B7-L polypeptide control mediated diseases and autoimmune diseases. B7-L molecules are useful cor allorated diseases and autoimmune diseases such as systemic immune chlombocytopenic purpura and sociated with diseases such as systemic cimmune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn, s disease and ulcerative colitis) Grave's disease (Crohn, s disease and ulcerative colitis) Grave's disease (Crohn, s disease and culcerative colitis) Grave's disease (B7-L polypepties survival. B7-L molecules are also useful for diagnosis and treatment of diseases and involving abnormal cell proliferation, including arteriosclerosis and involving abnormal cell proliferation, including arteriosclerosis and curvaliance of toxic shock syndrome or allosensitiation due to blood cranshronal cell allosensitiations, and for treatment of allosensitiations, what got treatment of allosensitiations are useful for allosensitiations, asthminated or allosensitiations are useful for allos
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involving abstrant protein expression or biological activity. The polypeptide and polymucleotide sequences have applications in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or of act and products dependent on DNA and and to produce other types of data and products dependent on DNA and and to produce other types of data and products dependent on DNA and coding sequences. AAS64197-AAS94564 represent novel human diagnostic patent did not appear in the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
          expressing (II). (I) and (II) are useful for treating disorders aberrant protein expression or biological activity. The
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                                                                                                             624 IGTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTTCCAGG
                                                                                                                                                            TGTATTATCAAGTTTACCGAGTTTTAGGTTTTCATTGCCTACTTGGGGCAAAGTTGGACT
                                                                                                                                                                                                  TGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACT
                                                                                                                                                                                                                                          TGGACTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTTTACAATACGCTGCTGCTG
                                                                                                                                                                                                                                                                                TGGACTAGCAGGCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTG
                                                                                                                                                                                                                                                                                                                                                 Human; chromosome mapping; gene mapping; gene therapy; forensic; food supplement; medical imaging; diagnostic; genetic disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DNA encoding novel human diagnostic protein #28160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1; SEQ ID NO 28160; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BP
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23-AUG-2000; 2000US-00649167
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P-PSDB; ABG28169.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (HYSE-) HYSEQ INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200175067-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31-MAR-2000;
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                                                                                                                                   159 AIGIGGCTCTCAGTGACATGGTGGTGGTAAGCGTCAGGCCCATGGAGCCCATCATCACC
                                                                                                                                                                           1 ATGTGGGTCTCTCAGTGACATGGTGGTGGTAAGCGTCAGGCCCATGGAGCCCATCATCACC
                                                                                                                                                                                                                          219 AATGACCGCTTCACCTCTCAGAGGTACGACCAGGGCGGGAACTTCACCTCGGAGATGATC
                                                                                                                                                                                                                                                      CTGCATGGATCTGCTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGACC
                                                                                                                                                                                                                                                                                                                   ATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTGCATGGATCTGCTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  421 AATGGGACTTTGACTTGCGTGGCTACCTGGAAGAGCCTGAAGGCCCGGGAAGTCTGCAACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CGCTCCCGGATATTCCTGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTTTT
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                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       481 GTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GTATTATCAAGTTTACCGAGTTTAAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     541 GTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GGACTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        819 TGCCGCCGTCGTTGTTGTGGCTGCAACTGCTGCCGTTGTTGTTTTTGCTGCTGAAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       601 GGACTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTGC
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                                                                                                ;
                                       Query Match 62.0%; Score 728; DB 5; Length 1392; Best Local Similarity 100.0%; Pred. No. 0; Matches 728; Conservative 0; Mismatches 0; Indels
Sequence 1392 BP; 338 A; 361 C; 341 G; 352 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              728
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ACH16130

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158 CATGTGGGCTCTCAGTGACATGGTGCTGAGCGTCAGGCCCATGGAGCCCATCATCAC 217
TCAACGICCACCCAGGCCAGGCAAGICATCACAGGCTTCTTTTAATCTGGCCAGTCCTGA 1147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human genome-derived single exon nucleic acid probes useful for analyzing
                                    243 TCAACGICCACCCAGGCCAGCAAGICAICCACAGGCITCITITAAICIGGCCAGICCIGA 302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to single exon nucleic acid probes (SENP). The present sequence is one such probe. The probes are useful for producing a microarray for predicting, measuring and displaying gene expression in samples derived from human placenta. The probes are useful for antenatal diagnosis of human genetic disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 258 AGTCCTGAAGGCTTCCAGGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             118 CATGLGGGCTCTCAGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCACCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            98 AGTCCTGAAGGGCTCCCAGGCTCGCTTCAACTGCACGGTCTCCCAGGGCTGGAAGCTCAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                      Probe #5268 used to measure gene expression in human placenta sample.
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                                                                                                                                                                                                                                                                                                                                                                             microarray; human; placenta; antenatal diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
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                                                                                    1148 GAAGGTCAGTAATACAACTGTAGTATAG 1175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 25; SEQ ID NO 5268; 654pp; English.
                                                                                                                         303 GAAGGTCAGTAATACAACTGTAGTATAG 330
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 378 CAATGACCGCTTCACCTCTCAGAG 401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gene expression in human placenta.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 04-FEB-2000; 2000US-0180312P.
26-MAY-2000; 2000US-0207456P.
30-JUN-2000; 2000US-0060840B.
03-AUG-2000; 2000US-0053266.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0234587P.
04-OCT-2000; 2000GB-00024263.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30-JAN-2001; 2001WO-US000663
                                                                                                                                                                                                                           AAI36582 standard; DNA; 401
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                                                                                                                                                                                                                                                                                                                                                                                                      genetic disorder; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                           17-0CT-2001
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            1088
                                                                                                                                                                                                                                                                    AAI36582;
                                                                                                                                                                                                                                                                                                                                                                                         Probe;
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                                                                                                                                                                                                           AAI36582
                                                                                                                                                                                      RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to an isolated polymucleotide comprising any one of 38043 cDNA sequences, appearing as ACH12789-ACH50831, whose sequence was determined by the technique of SBH (sequencing by hybridisation). Also included is a purified polypetide comprising a sequence corresponding to a reading frame of the novel polymucleotide. The nucleic acid sequences are useful in diagnostics as expressed sequence tags (EST) for are useful in diagnostics as expressed sequence tags (EST) for informacis, in assessing biodiversities, or in identifying mutations responsible for genetic disorders and other traits. The nucleotide sequences are also useful as hybridisation probes, as oligomers for PCR, for chromosome and gene mapping, in the recombinant production of protein, or in generating antisense DNA or RNA. The purified polypeptide is one of the 38043 isolated CDNA/EST sequences. Note: The sequence data for one this patent did not form part of the printed specification, but was obtained in electronic format directly from USPTO at sequence. html?DDocID=20030073623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1027
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cDNA libraries, useful chromosome and gene or in generating
                                                                                                                                                   ss; sequencing by hybridisation; SBH; expressed sequence tag; EST; mapping; biodiversity; genetic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      968 CGGCTACAATTCAGATGAACAAAAGACCACAGACACCGCTTCTCTCCCCTCCCAAATCCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TGAATCCAGTGATCCTGAACAAGAAACAGTAGCTGTGGCCCTCCTCACCAGCGGCTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GAAATCTGAAAAAGAGAGACAAACAAAGAAACTGAGACAGAAAGTGGAAATGAAAACTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Jones LW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 474;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 474 BP; 154 A; 128 C; 96 G; 95 T; 0 U; 1 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Dickson MC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New polynucleotide sequences obtained from various as hybridization probes, as oligomers for PCR, for mapping, in the recombinant production of protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18.5%; Score 217; DB 8; 99.6%; Pred. No. 7.5e-98;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Stache-Crain B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; SEQ ID NO 3342; 44pp; English.
  standard; cDNA; 474 BP
                                                                                                                                                                                                                                                                                                                                                                               30-JUL-2001; 2001US-00918995.
                                                                                                                                                                                                                                                                                                                                        30-JUL-2001; 2001US-00918995
                                                                                                                       heart cDNA #444.
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Matches 267; Conservative
                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                         LABAT I.
STACHE-CRAIN B.
DICKSON M C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Labat I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antisense DNA or RNA
                                                                                                                                                                                                                                                                                                                                                                                                                    DRMANAC R T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-615964/58.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JONES L W.
                                                                                                                                                                                                                                                            US2003073623-A1.
                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Drmanac RT,
                                                                                                                                                                                                                                                                                                     17-APR-2003.
                                                                                  13-0CT-2003
                                                                                                                         Human adult
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     806
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          63
                                           ACH16130;
    ACH16130
                                                                                                                                                                                                                                                                                                                                                                                                                                         (LABA/)
(STAC/)
(DICK/)
                                                                                                                                                                                                                                                                                                                                                                                                                    DRMA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (JONE/)
                                                                                                                                                                                      genome
                                                                                                                                                                Human;
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317

377

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Drosophila melanogaster expressed polynucleotide SEQ ID NO 40961. Drosophila; developmental biology; cell signalling; insecticide;

pharmaceutical; gene; ss

Drosophila melanogaster.

WO200171042-A2.

27-SEP-2001

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Novel single exon nucleic acid probe used to measuring gene expression in
                                                                                Probe; human; breast disease; breast cancer; development disorder; ss;
inflammatory disease; proliferative breast disease; non-carcinoma tumour.
                                                              Probe #4326 used to measure gene expression in human breast sample.
                                                                                                                                                                                                                                                                                                                                         Claim 25; SEQ ID NO 4326; 322pp; English.
                                                                                                                                                                                                                                                         (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                                                                                                                                             Chen W,
                                                                                                                                                                                  2000US-0180312P.
2000US-0207456P.
2000US-00608408.
                                                                                                                                                                 2001WO-US000661.
                                                                                                                                                                                                           03-AUG-2000; 2000US-00632366.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000GB-00024263.
        AAI04335 standard; DNA; 357
                                              (first entry)
                                                                                                                                                                                                                                                                           Penn SG, Hanzel DK,
                                                                                                                                                                                                                                                                                            WPI; 2001-476286/51
                                                                                                                            WO200157270-A2
                                                                                                                                                                                                                                                                                                                         a human breast
                                                                                                                                                               29-JAN-2001;
                                                                                                             Homo sapiens
                                                                                                                                                                                 04-FEB-2000;
26-MAY-2000;
                                                                                                                                                                                                    30-JUN-2000;
                                            09-OCT-2001
                                                                                                                                               09-AUG-2001
AAI04335
```

Rank DR;

New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell

Myers EW;

Li PWD,

Adams M,

Venter JC,

(PEKE) PE CORP NY.

WPI; 2001-656860/75.

P-PSDB; ABB71390

interactions

23-MAR-2001; 2001WO-US009231. 23-MAR-2000; 2000US-0191637P. 11-JUL-2000; 2000US-00614150. Claim 1; SEQ ID NO 40961; 21pp + Sequence Listing; English.

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The present invention relates to novel single exon nucleic acid probes. The present sequence is one such probe. The probes are useful for measuring human gene expression in a human breast sample, where the probe breast at high stringency to a nucleic acid expressed in the human breast. The probes are useful for predicting, diagnoshing, grading, staging, monitoring and prognoshing diseases of the human breast, particularly those diseases with polygenic aetiology. The diseases include: breast cancer, disorders of development, inflammatory diseases of the breast fibrocystic changes, proliferative breast disease and non-carcinoma tumours. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pot_sequences
```

8

Sequence 357 BP; 117 A; 68 C; 64 G; 108 T; 0 U; 0 Other;

2.1%; Score 25; DB 5; Length 357; 100.0%; Pred. No. 0.079; tive 0; Mismatches 0; Indels 884 AGGATTTCGTATTCAATTTCAAAG 908 Local Similarity 100. nes 25; Conservative Matches d

ö

Gaps

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99 42 AGGATTTCGTATTCAATTTCAAAAG

ABL15493 standard; cDNA; 6507 BP 26-MAR-2002 (first entry) ABL15493; ABL15493/ Π XXXE

RESULT 10

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Query Match
                            à
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                                                             18
The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL01840-ABL16175) and the encoded proteins (ABB57737-ABB72072). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Drosophila melanogaster expressed polynucleotide SEQ ID NO 40958.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Drosophila, developmental biology; cell signalling; insecticide;
                                                                                                                                                                                                                                                                                                                                          Sequence 6507 BP; 1745 A; 1888 C; 1712 G; 1162 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
                                                                                                                                                                                                                                                                                                                                                                                                              DB 4; Length 6507; 0.26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                           2.0%; Score 24; DB 100.0%; Pred. No. 0.2 iive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2946 cécrécrécrécrécécercer 2923
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           807 CGCTGCTGCTGCTGCCGCCGTCGT 830
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABL15492 standard; cDNA; 59967 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23-MAR-2001; 2001WO-US009231.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 100.
Matches 24; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           pharmaceutical; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Drosophila melanogaster.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200171042-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABL15492;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 11
ABL15492/c
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Myers EW;

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The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL1640-ABL1617) and the encoded proteins (ABB57737-ABR2072). The sequence data for this patent did not form part of printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mouse; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermacological; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antifyvoid; antiulcer; antiallergic; antidiabetic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; dendocrinopathy; lymphoproliferative disorder; gene; ss.
                                                                                                                                                          New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell
                                                                                                                                                                                                                                                                                                                                                                                                                                          Seguence 59967 BP; 17305 A; 12463 C; 12291 G; 17908 T; 0 U; 0 Other;
                                                                                                                                                                                                                              Claim 1; SEQ ID NO 40958; 21pp + Sequence Listing; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /*tag= a
/product= "B7-like protein, B7-L_ml"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2.0%; Scor.
100.0%; Pred. No. v...
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA encoding mouse B7-like protein, B7-L_ml.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cecrecrecrecrececercer 4573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                807 CGCTGCTGCTGCCGCCGTCGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABK13032 standard; cDNA; 1195 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28-JUN-2000; 2000US-0214512P.
28-NOV-2000; 2000US-00729264.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-JUN-2001; 2001WO-US020719
                                                                                Li PWD,
23-MAR-2000; 2000US-0191637P.
11-JUL-2000; 2000US-00614150.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  53. .1165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24; Conservative
                                                                                  Adams M,
                                                                                                                   2001-656860/75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                   (PEKE ) PE CORP NY
                                                                                                                                  P-PSDB; ABB71389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200200710-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus
                                                                                                                                                                                                    interactions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 03-JAN-2002
                                                                                    Venter JC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABK13032;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABK13032
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growtn and maintenance or cancer cells based on the observation of seminal vesicle hyperplasia in transgenic mice overexpressing B7-L polypeptide. Hence modulators of (1) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cesticular cancer and cancers of haematopoietic system. B7-L polypeptide pathway can be manipulated to regulate cytotoxic T-lymphocyte response in allograft transplantation, graft versus host disease. T-cell dependent B-cel mediated diseases and autoimmune diseases involving chronic immune cell dysfunction or to treat autoimmune diseases such as systemic inpus erythematosus, rheumatory activitis, multiple scleroisis, diabetes, immune thrombocytopenic purpura and psoriasis, chronic inflammatory bowel disease (Crohn's disease and disease such as inflammatory bowel disease (Crohn's disease and disease such as inflammatory bowel disease (Crohn's disease and diseases and activities). Gave's disease, Hashimoto's thyroiditis and disease mellitus. They are also useful as immunosuppressive agents for bone marrow and organ transplantation or to prolong graft survival. B7-L bone marrow and organ transplantation or to prolong graft survival. B7-L molecules are also useful for diagnosis and treatment of diseases. Cromplemia and phorosthies (e.g. glomerulomaphritis), skin disorders and leviation of toxic shock syndrome or allosenshissation due to blood vascular restenosis. Antagonists of B7-L polypeptides are useful for reactions, nephropathies (e.g. glomerulomephritis), skin disorders cartions, nephropathies (e.g. glomerulomephritis), skin disorders cortinated phyrophyropathies (e.g. glomerulomephritis), asthma and mysthenia cardinadory disease, anaemia, thrombocytopenias, Guillain-Barre syndrome and mysthenia gravis, and lymphoproliferative disorders such as multiple mystemia gravis, and lymphoproliferative disorders such as multiple mystemias processes anaemia, therefore represents t
                                                                                                                                                                                                                                                                                                                   The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polymucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Glial cell line-derived neurotrophic factor receptor gamma 1; GDNFR-alpha; glial cell line-derived neurotrophic factor; GDNF; neurodegenerative disease; amyotrophic lateral sclerosis; GDNFR-gammal;
                                                                                                                                                                    nsetul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5' PCR primer for GDNFR-gammal cDNA encoding the full length protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                            for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0;
                                                                                                                                                                    New B7-like polypeptides, polynucleotides and their modulators,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2.0%; Score 23; DB 6; Length 1195;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 1195 BP; 313 A; 304 C; 291 G; 287 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                           Chute HT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.81;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Pred. ...
                                                Schultz HJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           462 CTCCCGGATATTTCCTGGGAGCT 484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            521 CTCCCGGATATTTCCTGGGAGCT 543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAV99359 standard; DNA; 141 BP.
                                                                                                                                                                                                                                                                                Claim 1; Fig 5; 135pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-MAR-1999 (first entry)
                                                Sarmiento UM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             23; Conservative
                                                                                                   WPI; 2002-130881/17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
(AMGE-) AMGEN INC.
                                                                                                                                 P-PSDB; AAU75544.
                                                     Welcher AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAV99359;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 13
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Gaps

0

0; Indels

830

Score 24; DB 4; Length 59967; Pred. No. 0.27;

· 0

US2002023281-A1.

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PCR primers AAV99359-60 were used to amplify cDNA encoding the full length protein of a glial cell line-derived neurotrophic factor receptor gamma 1 (GDNFR-gammal). The amplified product was subsequently cloned and acpressed in Baculovirus. GDNFR-beta shares high homology with GDNFR-neurotrophic factor (GDNF) and mediating with glial cell line-derived neurotrophic factor (GDNF) and mediating cell response to GDNF. The GDNFR polypoptides and agonists can be used for treating disorders associated for treating neurodegenerative diseases such as amyotrophic lateral
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sclerosis, Parkinson's disease, schizophrenia, insomnia, tardive dyskenisia, hypertension, pituitary adenomas, hyperprolactinemia, thyroid tumour, renal disorders, kidney failure, gut dysfunction, or for regeneration of cardiomycoytes, epithelium or hepatocytes. Antagonists of the polypeptides can be used for treating disorders associated with increased activity of the respective polypeptides. The products can also
                                                                                                                                                                                                                                                                                                                                                                                                                                                            New isolated glial cell derived neurotrophic factor receptors - used to develop products for treating e.g. neurodegenerative disorders, schizophrenia, hypertension, tumours, renal disorders, kidney failure or
Parkinson's disease, schizophrenia; insomnia; tardive dyskenisia; hypertension; pituitary adenomas; hyperprolactinemia; thyroid tumour; renal disorder; kidney failure; gut dysfunction; regeneration; cardiomyocyte; epithelium; hepatocyte; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   be used for detection, diagnosis and drug screening
                                                                                                                                                                                                                                                                                                                                                                                     Ruben SM;
                                                                                                                                                                                                                                                                                                                                                                                 Ni J, Hsu T, Young P, Gentz RL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 6; Page 68; 156pp; English
                                                                                                                                                                                                                                             98WO-US010328.
                                                                                                                                                                                                                                                                                                     97US-00884638.
                                                                                                                                                                                                                                                                                                                                          (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                  97US-0047092P
                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-070150/06.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gut dysfunction,
                                                                                                                         Homo sapiens.
                                                                                                                                                               WO9853069-A2
                                                                                                                                                                                                                                           20-MAY-1998;
                                                                                                                                                                                                                                                                                                     27-JUN-1997;
                                                                                                                                                                                                    26-NOV-1998
                                                                                                     Synthetic
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Gaps
                                                                 0;
                               Score 22; DB 2; Length 141;
Pred. No. 2.5;
                                                            0; Indels
Sequence 141 BP; 19 A; 60 C; 38 G; 24 T; 0 U; 0 Other;
                            / Match
Local Similarity 100.0%; Pred. No. 2.5
                                                                                    808 GCTGCTGCTGCCGCCGTCG
                                                        Matches
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ABN99162 standard; DNA; 767 BP. RESULT 14 **ABN99162**

01-AUG-2002 (first entry)

Arabidopsis thaliana expressed polynucleotide SEQ ID NO 930.

Arabidopsis thaliana; plant; insecticide; fungicide; transgenic; stress; disease; crop; thale cress; tolerance factor; insect; pathogen; nutrition; ds

Arabidopsis thaliana.

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Price JL, Raines TM, Yu Y;
Ledford BL, Woessner JP, Haas V
, Davis KR, Allen K, Hoffman N;
                                                                                                                                         Gorlach J, An Y, Hamilton CM, F
Rameaka JG, Page A, Mathew AV,
Garcia CA, Kricker M, Slater T,
Hurban P;
                         26-JAN-2001; 2001US-00770445.
                                  27-JAN-2000; 2000US-0178472P.
                                                 AN Y.
HAMILTON C M.
                                                                                       LEDFORD B L. WOESSNER J P.
                                                                        RAMEAKA J G.
                                                           PRICE J L.
RAINES T M.
                                                                                  MATHEW A V.
                                                                                                     GARCIA C A.
                                                                                                               SLATER T.
DAVIS K R.
ALLEN K.
HOFFMAN N.
                                           GORLACH J.
                                                                                                           KRICKER M.
                                                                                                  HAAS W D.
                                                                                                                                   HURBAN P.
                                                          PRICE J
                                                                             PAGE A.
               21-FEB-2002.
                                                 (ANYY/)
(HAMI/)
                                                                        (RAME/)
                                                                             (PAGE/)
(MATH/)
                                                          (PRIC/)
                                                                                                                        (ALLE/)
(HOFF/)
                                                                    YUYY/)
                                                                                            WOES/)
                                                                                                 HAAS/)
                                                                                                     (GARC/)
(KRIC/)
(SLAT/)
                                                                                                                                   HURB/)
                                                                                       LEDF/
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New Arabidopsis thaliana nucleic acid for identifying homologous genes, producing compositions that modulate the expression or function of its encoded protein, and mapping functional regions of protein. Yu Y; WPI; 2002-403163/43.

Claim 1; SEQ ID NO 930; 49pp + Sequence Listing; English.

The invention relates to an Arabidopsis thaliana nucleic acid (I)

Comprising a sequence capable of hybridising under stringent conditions

CC comprising a sequence capable of hybridising under stringent conditions

CC do sequence selected from any one of 999 sequences (ABN893213-ABN892211),

GI), a transgenic plant (III) comprising an exogenous nucleic acid or a genetically modified cell (IV) comprising an exogenous nucleic acid, is

CC genetically modified cell (IV) comprising an exogenous nucleic acid, is

CC serein in demnifying homologous or related genes, in producing

CC societed physiological pathways. (I) is also useful for the genetic

CC societed physiological pathways. (I) is also useful in studying

CC societed physiological pathways. (I) is also useful in studying

CC screening assays of various plant strains to determine the strains that

CC screening assays of various plant strains to determine the strains that

CC screening assays of withstanding a particular disease or environmental

Stress. (II) and (III) are useful for screening of biologically active

Stress. (II) and (III) are useful for screening of biologically active

CC stress. (II) and (III) are useful in improved methods of treating

CC pathways. The screened agents are useful in improved methods of treating

CC pathways. The screened agents that mimic or enhance the action of tolerance

CC factors. Such agents are useful in improved methods of treating crops to

CC enhancing or inhibiting production of a biosynthetic product in a plant.

(III) is useful for identifying other mediators that enhance or induce

CC enhancing or inhibiting production of a biosynthetic product in a plant.

(III) is useful for identifying other mediators that enhance to which

CC paystribetic pathways of nutritional, commercial or medicinal value and

CC paystribetic pathways of nutritional, commercial or medicinal or medicinal

CC consponents of the cellular metabolism and for screening compounds

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This sequence encodes a novel glial cell line-derived neurotrophic factor alpha-3 receptor (GDNF alpha-3). This protein can be used to treat e.g. neurodegenerative diseases (such as Parkinson's Disease, amyotrophic lateral sclerosis (ALS), spinal muscular atrophy (SNA), Huntington's Disease, Alzheimer's Disease, diabetic neuropathy), muscular diseases (including the muscular dystrophies) and nerve and muscle trauma and in diagnostic assays for such conditions
                                                                                                                                                                                                                                                                                       ö
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that may affect the biological function of the gene or gene products. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from USPTO at segdata.uspto.gov/sequence.html?DocID=999909770445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Glial cell line-derived neurotrophic factor alpha-3 receptor; GDNF; treatment; neurodegenerative disease; Parkinson's Disease; ALS; SYM; amyotrophic lateral sclerosis; spinal muscular atrophy; nerve; trauma; Huntington's Disease; Alzheimer's Disease; diabetic neuropathy; muscle; muscular dystrophy; diagnostic; ss.
                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "partial sequence of glial cell-derived neurotrophic factor alpha-3 receptor"
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                                                                                                                                                                                                                 tch al Similarity 100.0%; Pred. No. 2.5; 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                            Sequence 767 BP; 169 A; 199 C; 147 G; 252 T; 0 U; 0 Other;
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/product= "GDNF alpha-3"
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Query Match 1.9%; Score 22; DB 2; Length 1200;
Best Local Similarity 100.0%; Pred. No. 2.6;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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808 GCTGCTGCTGCCGCCGTCG 829

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Db 51 GCTGCTGCTGCCGCCGTCG 72 Search completed: September 14, 2004, 23:41:47 Job time: 508.04 secs

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sequence 20, Appl
Sequence 128, Appl
Sequence 128, Appl
Sequence 16752, A
Sequence 16751, A
Sequence 12891, A
Sequence 12735, A
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cgn2_6/ptodata/2/ina/6A_COMB.seq:*

cgn2_6/ptodata/2/ina/6B_COMB.seq:*

cgn2_6/ptodata/2/ina/RB_COMB.seq:*

cgn2_6/ptodata/2/ina/RB_COMB.seq:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-187-906-20
US-09-169-21-128
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US-09-669-751-128
US-09-619-751-128
US-09-619-76-16752
US-09-621-976-16752
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                                                 OM nucleic - nucleic search, using sw model
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APPLICANT: BIOGEN, INC.
TITLE OF INVENTION: Ret Ligand (RetL) for Stimulating Neural
TITLE OF INVENTION: and Renal Growth
NUMBER OF SEQUENCES: 21
CORRESSONDENCE ADDRESS:
ADDRESSE: Biogen, Inc.
STREET: 14 Cambridge Center
CITY: Cambridge
STATE: MA
COUNTRY: USA
ZIP: 02142

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Gaps

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APPLICANT: Gary Breton et. al
APPLICANT: Gary Breton et. al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: PREUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 2709.2004001
CURRENT PERLICATION NUMBER: US 60/117,747
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR APPLICATION NUMBER: 1999-01.29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 3243
LENGTH: 1428
                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT'S Creenspan, Ralph J.
APPLICANT'S Creenspan, Ralph J.
APPLICANT'S Creenspan, Ralph J.
APPLICANT'S Creenspan, Methods for Identifying Compounds for TITLE OF INVENTION: Methods for INTER OF INVENTION: Methods in the Perception of Gravity TITLE OF INVENTION: Malance and the Perception of Gravity TITLE OF INVENTION: Balance and the Perception of Gravity TITLE OF INVENTION: UNABER: US/09/669,751
CURRENT FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: US 60/168,579
PRIOR APPLICATION NUMBER: US 60/168,579
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1.9%; Score 22; DB 3; Length 3942;
100.0%; Pred. No. 0.18;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 0.54;
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100.0%; Pred. No. 0.58;
tive 0; Mismatches
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Best Local Similarity 100.0%; Pred. No. 0.5
Matches 21; Conservative 0; Mismatches
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8.09-621-976-16752
; Sequence 16752, Application US/09621976
; Patent No. 6639063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 5
US-09-489-039A-3243/c
T. Sequence 3243, Application US/09489039A
; Patent No. 6610836
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                                                                                                                                                     808 GCTGCTGCTGCTGCCGCCGTCG 829
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                                                                                                                                                                                                           72 GCTGCTGCTGCCGCCGTCG 93
                                                                                                                                                                                                                                                                                                                             RESULT 4
(WS-09-669-751-128/c
; Sequence 128, Application US/09669751
; Patent No. 6551575
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ORGANISM: Klebsiella pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.0
Matches 21; Conservative
                                                                                     22; Conservative
                                              Best Local Similarity
Matches 22; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) ORGANISM: Drosophila
US-09-669-751-128
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Š
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APPLICANT: Phillips, M. Ian
APPLICANT: Phillips, M. Ian
APPLICANT: Phillips, M. Ian
APPLICANT: Phillips, M. Ian
APPLICANT: Phillips, M. Ian
APPLICANT: Phillips, M. Ian
TITLE OF INVENTION: ANTICENSE OLIGONUCLEOTIDE COMPOSITIONS TARGETED TO
TITLE OF INVENTION: ANTICENSE OLIGONUCLEOTIDE COMPOSITIONS OF USE
FILE REFERENCE: UPLA:087/PLA087P
CURRENT APPLICATION NUMBER: 087/09/162,484
CURRENT PLING DATE: 1998-09-25
EARLIER PILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0
SSEQ ID NO 19
LENGTH: 3942
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0.18;
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                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OSOFWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/187,906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.9%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.1 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Kaplan, Warren A.
REGISTRATION NUMBER: 34,199
REFERENCE/DOCKET NUMBER: A008 PCT CIP
                                                                                                                                                                                                                                                                FILING DATE:
CLASSIFICATION
PRIOR APPLICATION
PRIOR APPLICATION
PRIOR APPLICATION
PRIOR APPLICATION
PRIOR APPLICATION
PRIOR APPLICATION NUMBER: PCT/US97/07726
PRILING DATE: 08-MAX-97
PRILING DATE: 08-MAX-96
PRIOR APPLICATION DATA:
PRILING DATE: 07-JUN-96
PRIOR APPLICATION NUMBER: US 60/019,300
FILING DATE: 16-JUN-96
PRIOR APPLICATION NUMBER: US 60/021,859
FILING DATE: 16-JUL-96
PRIOR APPLICATION NUMBER: US 60/043,533
FILING DATE: 10-APR-97
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        808 gergergergergeceereg 829
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Patent No. 6248724
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-679-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 617-679-2838
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 1699 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA; CRGANISM: Rattus norvegicus
US-09-162-484-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             175..1374
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION:
US-09-187-906-20
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834 TGTGGCTGCAACTGCTG 853
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Patent No. 6271030
SEREAL INFORMATION:
APPLICANT: Brett P. Monia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  834 TGTGGCTGCAACTGCTG 853
                ; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-12897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Pseudomonas aeruginosa
                                                                                               Best Local Similarity 100.0
Matches 20; Conservative
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CITER INFORMATION: UNAME/KEY: Unsure
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: 1422
OTHER INFORMATION:
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OTHER INFORMATION:
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OTHER INFORMATION
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LOCATION: 1423
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LENGTH: 1857
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LENGTH: 1910
                                                                              Query Match
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| Patent No. 6551795
| Patent No. 6551795
| Patent No. 6551795
| Patent No. 6551795
| APPLICANT: Marc J. Rubenfield et al.
| TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
| TITLE OF INVENTION: ARROGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
| TITLE OF INVENTION: ARROGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
| TITLE OF INVENTION: ARROGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
| TITLE OF INVENTION: APPLICATION NUMBER: US/09/252,991A
| CURRENT APPLICATION NUMBER: US/0/074,788
| PRIOR FILING DATE: 1998-02-18
| PRIOR FILING DATE: 1998-07-27
| NUMBER OF SEQ ID NOS: 33142
| SEQ ID NO 12897
| TYPE: DNA
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100.0%; Pred. No. 1.8;
Live 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.9;
.ive 0; Mismatches 0; Indels
                                 APPLICANT: Jobert, S.
APPLICANT: Glordano, J.Y.
TILLE OF INVENTION: ESTS and Encoded Human Proteins.
FILE REFERENCE: GENSET. 054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT APPLICATION NUMBER: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 16752
LENGTH: 394
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Fatent No. 6639063
Fatent No. 6639063
FAPLICANT: Dumas Mine Edwards, J.B.
APPLICANT: Jobert, S.
TITLE OF INVENTION: ESTS and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT FALING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SOFTWARE: Patent.pm
SEQ ID NO 16751
LENGTH: 794
                       APPLICANT: Dumas Milne Edwards, J.B.
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Best Local Similarity 100.(
Matches 20, Conservative
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-16752
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ORGANISM: Homo sapiens
GENERAL INFORMATION
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Gaps
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Pred. No. 2;
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Patent No. 6001592

GENERAL INFORMATION:
GENERAL TRIE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR

TITLE OF INVENTION:
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                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Kishimoto, Tadamitsu
APPLICANT: Kishimoto, Tadamitsu
APPLICANT: Hirano, Toshio
APPLICANT: Hirano, Toshio
APPLICANT: Tanabit, Hiroshi
APPLICANT: Tanabe, Osamu
APPLICANT: Kinoshita, Shigemi
APPLICANT: Shimamoto, Takuya
TITLE OF INVENTION: C/EBP2 Gene and Recombinant
TITLE OF INVENTION: C/EBP2
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 1.7%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2; Matches 20; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Sughrue, Mion, Zinn, Macpeak
ADDRESSEE: Seas
STREET: 2100 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/012,735
FILING DATE: 19330203
CLASSIFICATION: 435
FRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/601,094
FILING DATE: 22 OCT 1990
TELECHONE: (202) 293-7060
TELECHONE: (202) 293-7060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CIVI:
STATE: D.C.
COUNTY: United States
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
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                               204 cécrécrécrécrécécé 185
                                                                                                                                       Sequence 1, Application US/08012735 Patent No. 5360894
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEX: 6491103
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
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NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         single
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; OTHER INFORMATION:
US-08-012-735-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 2100 Penr
CITY: Washington
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US-08-864-038A-1
                                                                                                     RESULT 12
US-08-012-735-1/c
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100.0%; Pred. No. 2;
tive 0; Mismatches 0; Indels
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APPLICANT: Akira, Shizuo
APPLICANT: Tashki, Hiroshi
APPLICANT: Tanabe, Osamu
APPLICANT: Tanabe, Osamu
APPLICANT: Kinoshita, Shigemi
APPLICANT: Shimmonto, Takuya
TITLE OF INVENTION: C/EBP2 Gene and Recombinant
TITLE OF INVENTION: C/EBP2 Gene and Recombinant
TITLE OF INVENTION: C/EBP2
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seas
STREET: 2100 Pennsylvania Avenue, N.W.
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.7%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2; Matches 20; Conservative 0; Mismatches
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COUNTRY: United States
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/601,094
FILING DATE: 19991022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1, Application US/07601094; Patent No. 5215892
GENERAL INFORMATION:
APPLICANT: Kishimoto, Tadamitsu
APPLICANT: Hirano, Toshio
APPLICANT: Akira, Shizuo
APPLICANT: Isahiki, Hiroshi
APPLICANT: Tanabe, Osamu
APPLICANT: Kinoshita, Shigemi
APPLICANT: Kinoshita, Shigemi
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CLASSIFICATION: 435
TELECOMMUNICATION: (202) 293-7060
TELEPHONE: (202) 293-7860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
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INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1914 base pairs
TYPE: NUCLEIC ACID
                        NAME/KEY: unsure
LOCATION: 1424
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 1458
OTHER INFORMATION: unknown
NAME/KEY: CDS
LOCATION: (299) ... (1336)
      OTHER INFORMATION: unknown
                                                                                                                                                                                                                                                                                         20; Conservative
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Best Local Similarity
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US-07-601-094-1/c
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APPLICANT: KULIO NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 3331;
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ZIP: 514-01
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: Microsoft Windows 95
SOFTWARE: WORD PERFECT 6.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.7%; Score 20; DB 3;
100.0%; Pred. No. 2;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: from 1 to 3331 IDENTIFICATION METHOD: E (by experiment)
                                                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,038A
FILING DATE: MAY 28, 1997
APPLICATION NUMBER: US/08/864,038A
FILING DATE: US/08/864,038A
FILING DATE: US/08/864,038A
FILING DATE: US/08/864,038A
FILING DATE: US/08/861
ATTONNEY/AGENT INFORMATION:
NAME: C. Bruce Hamburg
REGISTRATION NUMBER: 22,389
REGISTRATION NUMBER: 22,389
REFERENCE/DOCKET NUMBER: 22,389
REFERENCE/DOCKET NUMBER: E-5610
TELEPHONE: (212)986-2340
TELEPHONE: (212)986-2340
TELEPAN: (212)985-7733
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 3331
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APPLICATION NUMBER: US/08/864,038A
FILING DATE: May 28, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 8-184459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: CDNA to MRNA
ORIGINAL SOURCE:
ORGANISM: Pinctada fucata
CELL TYPE: mantle epithelial cell
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GENERAL INFORMATION:
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REGISTRATION NUMBER: 22,389
REFERENCE/DOCKET NUMBER: F-:
TELECOMMUNICATION INFORMATION:
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ATTORNEY/AGENT INFORMATION:
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Best Local Similarity 100.0
Matches 20, Conservative
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CITY: Tsu-city
STATE: Mie-prefecture
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: doub
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US-08-864-038A-4
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                                           VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING SAID POLYPEPTIDE AND ANTIBODY TO SAID POLYPEPTIDE
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Batent No. 6001592

GENERAL INFORMATION:

GENERAL INFORMATION:

TITLE OF INVENTION:

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TITLE OF INVENTION:

TO SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE

TITLE OF INVENTION:

TO SAID POLYPEPTIDE

NUMBER OF SEQUENCES:

CORRESPONDENCE ADDRESS:
             CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
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100.0%; Pred. No. 2;
Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READBLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage COMPUTER: IBM Compatible OPERATING SYSTEM: Microsoft windows 95 SOFTWARE: Word Perfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,038A
FILING DATE: May 28, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1996
ATTORNEY/AGENT INFORMATION:
RELING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 23
REGISTRATION NUMBER: 23
REGISTRATION NUMBER: 23
REGISTRATION NUMBER: 27
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MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: Microsoft Windows 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; CELL TYPE: mantle epithelial cell US-08-864-038A-1
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)986-2340
TELEFAX: (212)953-7733
TITLE OF INVENTION: CONTAINI
TITLE OF INVENTION: VECTOR,
TITLE OF INVENTION: TO SAID POI
TITLE OF INVENTION: TO SAID
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: 812-5 Hirano
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (212)953-7733
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                    CITY: Tsu-city
STATE: Mie-prefecture
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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STATE: Mie-prefecture
COUNTRY: JAPAN
ZIP: 514-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: doubl
TOPOLOGY: linear
                                                                                                                                                                                                                                     Isshinden
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514-01
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                       COUNTRY:
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US-08-864-038A-2
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Matches
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TELEPHONE: (212)986-2340

TELEPAX: (212)953-7733

INPORMATION FOR SEQ ID No. 4:
SEQUENCE CHRACTERISTICS:
LENGTH: 3331

TYPE: nucleic acid
STRANDEDNESS: single
TYPE: nucleic acid
STRANDEDNESS: single
TYPE: nucleic acid
STRANDEDNESS: single
CRIGINAL SOURCE:
ORGANISM: Pinctada fucata
ORIGINAL SOURCE:
ORGANISM: Pinctada fucata
SEL DOCATION: From 50 to 2263
IDENTIFICATION METHOD: P (by similarity to some other pattern)
US-08-864-038A-4

Ouery Match
Best Local Similarity 100.0%; Pred. No. 2;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps

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DD 904 CGCTGCTGCTGCCGCCG 923
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Search completed: September 15, 2004, 06:48:26 Job time : 92.8225 secs

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US-10-104-047-1104
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                                                                                                                           (without alignments)
9468.459 Million cell updates/sec
                                                                                                    September 14, 2004, 23:16:34; Search time 624.393 Seconds
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cgn2_6/ptodata/2/pubpna/USO6 NEW PUB.seq:*
cgn2_6/ptodata/2/pubpna/USO6 NEW PUB.seq:*
cgn2_6/ptodata/2/pubpna/USO6 PUBCOMB.seq:*
cgn2_6/ptodata/2/pubpna/DSO7 NEW PUB.seq:*
cgn2_6/ptodata/2/pubpna/USO9 NEW PUB.seq:*
cgn2_6/ptodata/2/pubpna/USO9 PUBCOMB.seq:*
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.: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seg:*
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Compugen Ltd.
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US-09-828-366-15
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Sequence 185, App Sequence 5664, App Sequence 5664, Appl Sequence 4945, App Sequence 970, App Sequence 970, App Sequence 971, App Sequence 5378, Ap Sequence 150405, Sequence 150405, Sequence 150405, Sequence 167, Appl Sequence 17, Appl Sequence 187, Appl Sequence 187, Appl Sequence 11, Appli Sequence 11, Appli Sequence 11, Appli Sequence 11, Appli Sequence 11, Appli Sequence 246, Appl Sequence 246, Appl Sequence 246, Appl Sequence 246, Appl Sequence 30, Appli Sequence 30, Appli Sequence 34, Appli Sequence 34, Appli Sequence 34, Appli Sequence 34, Appli Sequence 34, Appli Sequence 34, Appli Sequence 34, Appli	', 4,
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ALIGNMENTS

261 GCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGGCTC 320 229 TCACCTCTCAGAGGTACGACCAGGGGGGGAACTTCACCTCGGAGATGATCATCCACAATG 288 201 ACGGTTCTGGGTTCTGGTAATGAAGTCATAGAAGGCCCCCAGAATGCAACAGTCCTGAAGG ACGGTTCTGGGTAATGAAGTCATAGAAGGCCCCCCAGAATGCAACAGTCCTGAAGG 109 GCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGGCTC TCAGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCACCAATGACCGCT Gaps 0 DB 16; Length 2051; Sequence 1104, Application US/10104047
Publication No. US20030236392A1
GENERAL INFORMATION:
APPLICANT: HELLS RESEARCH INSTITUTE
TITLE OF INVENTION: No. US20030236392A1e1 full length cDNA
FILE REFERENCE: H1-A0105
CURRENT FILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER:
PRIOR FILING DATE:
PRIOR FILING DATE: 1; Indels 91.6%; Score 1076; Di 99.9%; Pred. No. 0; live 0; Mismatches NUMBER OF SEQ ID NOS: 4096 SOFTWARE: Patentin Ver. 2.1 SEQ ID NO 1104 Query Match Best Local Similarity 99.9° Matches 1126; Conservative ; TYPE: DNA ; ORGANISM: Homo sapiens US-10-104-047-1104

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CURRENT APPLICATION NUMBER: US/09/918,995
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Publication No. US20030073623A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
APPLICANT: Hyseq, Inc.
APPLICANT: FROM VOVEL NUCLEIC ACID SEQUENCES OBTAINED TITLE OF INVENTION: PROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
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US-09-918-995-3342
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GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USFFUL FOR TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USFFUL FILLS OF INVENTION: HUMAN GENOME-SINGLE ACID ADDITORNAL APPLICATION NUMBER: US 60/180,312
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR PLING DATE: 2000-05-29
PRIOR PLING DATE: 2000-06-29
PRIOR PLING DATE: 2000-06-03
PRIOR PLING DATE: 2000-06-03
PRIOR PLING DATE: 2000-06-04
PRIOR PLING DATE: 2000-06-04
PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-04
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PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-130
PRIOR PLING DATE: 2001-01-30
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18.5%; Score 217; DB 10;
Best Local Similarity 99.6%; Pred. No. 2.3e-102;
Matches 267; Conservative 0; Mismatches 1;
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PRIOR APPLICATION NUMBER: US/09/235,076
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SEQ ID NO 3342
LENGTH: 474
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Patent No. US20020048763A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                    ; LOCATION: (1)...(474).; OTHER INFORMATION: n = A,T,C or US-09-918-995-3342
                                                                                                                                                                     TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                            NAME/KEY: misc_feature
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US-09-864-761-16305
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Sequence 81852, Application US/10437963
; Bequence 81852, Application US/10437963
; Publication No. US20040123343A1
; Bedreral INFORMATION: US20040123343A1
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Cao, Yongwei
; APPLICANT: Cao, Yongwei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Bucharov, Andrey A.
; APPLICANT: Bucharov, Andrey A.
; APPLICANT: Bucharov, Andrey A.
; APPLICANT: Bucharov, Andrey A.
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; TITLE OF INVENTION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ DD NO 81852
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                                                                                                    FRIOR APPLICATION NUMBER: PCT/USO1/00664
FRIOR FILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/USO1/00665
FRIOR APPLICATION NUMBER: PCT/USO1/00668
FRIOR FILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-30
FRIOR PILING DATE: 2001-01-30
FRIOR PILING DATE: 2001-01-30
FRIOR PRILING DATE: 2001-01-30
FRIOR PRILING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/USO1/00661
FRIOR APPLICATION NUMBER: PCT/USO1/00661
FRIOR APPLICATION NUMBER: PCT/USO1/00670
FRIOR PRILING DATE: 2001-01-30
FRIOR PELING DATE: 2001-01-30
FRIOR PELING DATE: 2000-09-21
FRIOR FILING DATE: 2000-09-21
FRIOR FILING DATE: 2000-06-30
FRIOR FILING DATE: 2000-06-30
FRIOR FILING DATE: 2000-06-30
FRIOR FILING DATE: 2000-06-30
FRIOR FILING DATE: 2000-06-30
FRIOR PRILORATION NUMBER: US 09/608,408
FRIOR FILING DATE: 2000-06-30
FRIOR PILING DATE: 2000-06-30
FRIOR FILING DATE: 2000-06-30
FRIOR PILING DATE: 2000-06-30
FRIOR PILING DATE: 2000-06-30
FRIOR PILING DATE: 2001-01-29
FRIOR FILING DATE: 2001-01-29
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FRIOR FILING DATE: 2001-01-30
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OTHER INFORMATION: MAP TO AF064857.1

OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 0.93
US-09-864-761-16653
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                                                                                        APPLICATION NUMBER: PCT/US01/00664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     884 AGGATTTCGTATTCAATTTCAAAAG 908
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                                                        2001-01-30
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ORGANISM: Homo sapiens
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ORGANISM: Oryza sativa
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US-10-437-963-81852/c
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Sequence 16653, Application US/09864761

Sequence 16653, Application US/09864761

GENERAL INDORMATION:

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David R.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL CURRENT FILING DATE: 2001-05-23

FRIOR RELIGION NUMBER: US 60/180,312

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-02-04

PRIOR FILING DATE: 2000-06-26

PRIOR FILING DATE: 2000-08-03

PRIOR PRILING DATE: 2000-08-03

PRIOR PRILING DATE: 2000-08-03

PRIOR PRILING DATE: 2000-08-03

PRIOR PRILING DATE: 2000-08-03

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PRIOR PRILING DATE: 2000-09-27

PRIOR PRILING DATE: 2000-09-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: MAP TO AF121782.1
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
US-09-864-761-16305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Annomax Sequence Listing Engine vers. 1.1 SEQ ID NO 16305
LENGTH: 401
PRIOR APPLICATION NUMBER: PCT/USO1/00665
PRIOR APPLICATION WUMBER: PCT/USO1/00668
PRIOR APPLICATION WUMBER: PCT/USO1/00668
PRIOR FILING DATE: 2001-01-30
PRIOR PPLICATION NUMBER: PCT/USO1/00663
PRIOR PELING DATE: 2001-01-30
PRIOR PPLICATION NUMBER: PCT/USO1/00661
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR PELING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR PLING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR PLING DATE: 2000-06-30
PRIOR PLING DATE: 2000-06-30
PRIOR PELING DATE: 2000-06-30
PRIOR PELING DATE: 2001-01-29
PRIOR PELING DATE: 2001-01-29
PRIOR PILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
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APPLICATION NUMBER: PCT/US01/00667
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FILING DATE: 2001-01-30
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ORGANISM: Homo sapiens
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TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC TITLE OF INVENTION: CELL GROWTH FILE REFERENCE: P1694RLC1 CURRENT APPLICATION NUMBER: US/09/828,366 CURRENT FILING DATE: 2001-04-05 Prior filing data removed - refer to PALM or file wrapper NUMBER OF SEQ ID NOS: 29 SEQ ID NOS: 29
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                                                                                                                      Length 1203;
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                                                                                                                                                                     0; Indels
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APPLICANT: Higgs, Brandon
APPLICANT: Castle, Arthur
APPLICANT: Elashoff, Michael
TITLE OF INVENTION: Molecular Toxicology Modeling
FILE REPERBRUCE: 44921-5089-US
CURRENT APPLICATION NUMBER: US/10/152,319A
CURRENT FILING DATE: 2002-05-22
PRIOR APPLICATION NUMBER: US 60/292,335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 9;
. 1.5;
                                                                                                                           DB 9;
1.5;
                                                                                                                             Score 22; DB 9; Pred. No. 1.5; 0; Mismatches
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Pred. No.
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PRIOR APPLICATION NUMBER: US 60/297,523
PRIOR FILING DATE: 2001-06-13
PRIOR APPLICATION NUMBER: US 60/298,925
PRIOR FILING DATE: 2001-06-19
PRIOR PRILING DATE: 2001-06-19
PRIOR APPLICATION NUMBER: US 60/303,810
PRIOR FILING DATE: 2001-07-10
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Publication No. US20040072160A1
GENERAL INFORMATION:
APPLICANT: Mendrick, Donna
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100.0%; Pre
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                                                                                                                 1.9%; Scor-
100.0%; Pre
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Goddard, Audrey
Gurney, Austin L.
Klein, Robert D.
Napier, Mary
Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches 22; Conservative
                                                                                                                                  Query Match 1.9
Best Local Similarity 100.
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Genentech, Inc. APPLICANT: Ashkenazi, Avi
                                          TYPE: DNA
CORGANISM: Homo sapiens
US-09-220-920-65
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ORGANISM: Homo Sapien
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US-10-152-319A-1498
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US-09-828-366-15
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APPLICANT:
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SEQ ID NO 65
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J. Sequence 65, Application US/09220920

J. Sequence 65, Application US/09220920

J. Sequence 65, Application US/09220920

J. Sequence 65, Application US/09220920

J. Sequence 65, Application

J. Sequence 65, Application

J. Sequence 65, Application

J. TILL OF INFORMATION:

J. TILL OF INVENTION: Artemin, A No. US20020002269Alel Neurotrophic Factor

J. TILL OF INVENTION: Artemin, A No. US20020002269Alel Neurotrophic Factor

J. TILL OF INVENTION: Artemin, A No. US20020002269Alel Neurotrophic Factor

J. TILL OF INVENTION: Artemin, A No. US20020002269Alel Neurotrophic Factor

J. TILL OF INVENTION: Artemin, A No. US20020002269Alel Neurotrophic Factor

J. TILL OF INVENTION: Artemin, A No. US20020002269Alel Neurotrophic Factor

J. TILL OF INVENTION NUMBER: 09/163,283

J. SARLIER PILING DATE: 1998-11-12

J. SARLIER PILING DATE: 1998-11-12

J. SARLIER PILING DATE: 1998-12-22

J. NUMBER: PARELICATION NUMBER: 09/218,698

J. SARLIER PILING DATE: 1998-12-22

J. NUMBER: PARELICATION NUMBER: 09/218,698

J. SARLIER PILING DATE: 1998-12-22

J. NUMBER: PARELICATION NUMBER: 09/218,698
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100.0%; Pred. No. 1.5;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Expressed Sequences of Arabidopsis TITLE OF INVENTION: Expressed Sequences of Arabidopsis FILE REFERENCE: 2023US (PARA-012PRV)
CURRENT APPLICATION NUMBER: US/09/770,445
CURRENT FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: US 60/178,472
PRIOR FILING DATE: 2000-01-27
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SOFTWARE: FastSEQ for Windows Version 4.0
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                                   807 CGCTGCTGCTGCCGCCGTCG 829
                                                                              156 cécrécrécrécrécécérce 134
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Matthew, Abraham V.
Ledford, Brooke L.
Woessner, Jeffrey P.
Haas, William David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
CRGANISM: Arabidopsis thaliana
US-09-770-445-930
                                                                                                                                                                                                                                                                                       An, Yong-Qiang
Hamilton, Carol M.
Price, Jennifer L.
Raines, Tracy M.
                                                                                                                                                                                                                                                                                                                                                                                   Yu, Yang
Rameaka, Joshua G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Garcia, Carlos A.
Kricker, Maja
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Allen, Keith
Hoffman, Neil
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Best Local Similarity 100.0
Matches 22; Conservative
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Sequence 128, Application US/10255336
| Publication No. US20030087807A1
| GENERAL INFORMATION: No. US20030087807A1
| GENERAL INFORMATION: No. US20030087807A1
| TITLE OF INVENTION: Methods for Identifying Compounds for TITLE OF INVENTION: Methods for INCENTION: Motion Sickness, Vertigo and Other Disorders Related to TITLE OF INVENTION: Motion Sickness, Vertigo and Other Disorders Related to TITLE OF INVENTION: Motion Sickness, Vertigo and Other Disorders Related to TITLE OF INVENTION: Balance and the Perception of Gravity
| FILE REFRENCE: P.NI 3864
| CURRENT APPLICATION NUMBER: US/09/669,751
| PRIOR APPLICATION NUMBER: US/09/669,751
| PRIOR APPLICATION NUMBER: US 60/168,579
| PRIOR FILING DATE: 1999-12-02
| NUMBER OF SEQ ID NOS: 261
| SEQ ID NOS: 261
| SEQ ID NOS: 261
| SEQ ID NO 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-767-701-28842/c

Sequence 28842, Application US/10767701

Sequence 28842, Application US/10767701

Publication No. US20040172684A1

GENERAL INFORMATION: David K.

APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement

FILE REFERENCE: 38-21(53535)B
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                                               ### ATTILE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED

TITLE OF INVENTION: RROM VARIOUS CDNA LIBRARIES

FILE REFERENCE: 20411-756

CURRENT APPLICATION NUMBER: US/09/918,995

CURRENT PAPLICATION NUMBER: US/09/235,076

PRIOR APPLICATION NUMBER: US/09/235,076

PRIOR APPLICATION NUMBER: US/09/235,076

NUMBER OF EQ. ID NOS: 38054

SEQ ID NO 11051

LENGTH: 493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 493;
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100.0%; Pred. No. 5;
vative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
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100.0%; Pred. No. 5;
tive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA

CRGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc_feature

COCATION: (1)...(493)

OTHER INFORMATION: n = A,T,C or G

US-09-918-995-11051
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Best Local Similarity 100.
Matches 21; Conservative
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Best Local Similarity
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US-10-255-536-128/c
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; Publication No. US20040123343A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Cao, Vihua
APPLICANT: Cao, Vinua
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Brabazuk, Brad
; APPLICANT: Brabazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; TITLE OF INVENTION NUMBER: US/10/437, 963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 41506
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PRIOR APPLICATION NUMBER: US 60/303,807

PRIOR FILING DATE: 2001-07-10

PRIOR PELICATION NUMBER: US 60/303,808

PRIOR FILING DATE: 2001-07-10

PRIOR FILING DATE: 2001-08-28

PRIOR PLICATION NUMBER: US 60/315,047

PRIOR FILING DATE: 2001-09-28

PRIOR FILING DATE: 2001-09-27

PRIOR PLING DATE: 2001-09-27

PRIOR FILING DATE: 2001-10-01

PRIOR FILING DATE: 2001-10-02

PRIOR FILING DATE: 2001-10-02

PRIOR FILING DATE: 2001-10-02

PRIOR FILING DATE: 2001-10-22

SEQ ID NOS: 2221

SOFTWARE: PATENTIN VOE: 2.1

SEQ ID NO 14998
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1.9%; Score 22; DB 12; Length 4142;
Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 22; Conservative 0; Mismatches 0; Indels (
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100.0%; Pred. No. 5;
Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Genbank Accession No. NM_012544 US-10-152-319A-1498
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US-10-437-963-41506
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Publication No. US20030073623A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: Rattus norvegicus
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Best Local Similarity 100.0
Matches 21; Conservative
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US-09-918-995-11051/C
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1.8%; Score 21; DB 13; Length 3362;
100.0%; Pred. No. 5.1;
tive 0; Mismatches 0; Indels (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INCORPATION

GENERAL INCORPATION

APPLICANT: Mortis, David W.

APPLICANT: Engelhard, Eric K.

TITLE OF INVENTION: CANCER
FILE REFERENCE: 529452000122

CURRENT APPLICATION NUMBER: US 09/147,192

CURRENT FILING DATE: 2002-03-01

PRIOR FILING DATE: 2000-12-22

PRIOR FILING DATE: 2000-10-02

PRIOR FILING DATE: 2000-03-01

PRIOR FILING DATE: 2000-03-01

PRIOR FILING DATE: 2000-02

NUMBER OF SEQ ID NOS: 2059

SOFTWARE PASSEG FOR WINDOWS VERSION 4.0

SEQ ID NO 185

LENGTH: 3362
                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: (1352)
OTHER INFORMATION: a, t, c, g, other or unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: (1423)
OTHER INFORMATION: a, t, c, g, other or unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: (1535) __
OTHER INFORMATION: a, t, c, g, other or unknown
                                                                                                                                                                                                                                                     other or unknown
                                                                                                                                                                                                                                                                                                                                         other or unknown
c, g, other or unknown
                                                                                 c, g, other or unknown
                                                                                                                                                                    c, g, other or
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Publication No. US20020182586Al
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                                                               NAME/KEY: modified_base
LOCATION: (1346)
OTHER INFORMATION: a, t,
                                                                                                                                                     ION: (1243)
INFORMATION: a, t,
      OTHER INFORMATION: a, t,
                                                                                                                                                                                                                                        LOCATION: (1343)
OTHER INFORMATION: a, t,
                                                                                     OTHER INFORMATION: a, t,
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NAME/KEY: modified_base
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CORGANISM: Mus musculus
US-10-087-192-185
                                         NAME/KEY: modified_base
LOCATION: (1146)
                                                                                                                               modified base
                                                                                                                                                                                              FEATURE: NAME/KEY: modified_base
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US-10-087-192-185/c
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                                                                                                             FEATURE:
NAME/KEY: 1
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APPLICANT ROSENTHAL, BERND
APPLICANT SCHAFER, REINHARD
APPLICANT ZUBER, REINHARD
APPLICANT ZUBER, OLEG
APPLICANT THELNERGEL, MARTIN
APPLICANT HELLARGEL, MARTIN
APPLICANT SERS, CHRISTINE
APPLICANT SERS, CHRISTINE
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APPLICANT SCHAFE, MARTIN
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APPLICANT SCHAFE, MARTIN
CURRENT FILING DATE: 2001-01-31
PRIOR FILING DATE: 2001-01-31
NUMBER OF SEQ ID NOS: 885
SOFTWARE PATENTIN VET. 2.1
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OTHER INFORMATION: a, t, c, g, other or unknown
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             CURRENT APPLICATION NUMBER: US/10/767,701
CURRENT FILING DATE: 2004-01-29
NUMBER OF SEQ ID NOS: 63128
SEQ ID NO 28842
LENGTH: 602
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US-10-767-701-28842
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Publication No. US20030170625A1
GENERAL INFORMATION:
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                                                                                                                                              ORGANISM: Sorghum bicolor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: modified base
LOCATION: (492)
OTHER INFORMATION: a, t,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: (728)
OTHER INFORMATION: a, t,
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LOCATION: (979)
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                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 14
US-09-930-213-20/c
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LENGTH: 1558
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                                                                                                                               TYPE: DNA
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Search completed: September 15, 2004, 07:20:16 Job time : 626.393 secs

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GenCore version 5.1.6
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OM nucleic - nu	OM nucleic - nucleic search, using sw model
Run on:	September 14, 2004, 20:48:25; Search time 4800.11 Seconds (without alignments) 10546.560 Million cell updates/sec
Title: Perfect score: Sequence:	US-09-729-264-3 1168 1 agtgatcatggtggcaggaggtaatacaactgtagtatag 1168
Scoring table:	OLIGO NUC Gapop 60.0 , Gapext 60.0
Searched:	3470272 segs, 21671516995 residues
Word size :	0
Total number of	Total number of hits satisfying chosen parameters: 6784142
Minimum DB seg Maximum DB seg	Minimum DB seq length: 16 Maximum DB seq length: 2000000000
Post-processing	Post-processing: Listing first 45 summaries
Database :	GenEmbl:*

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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TTCATTGCCTACTTGGGGCAAAGTTGCACTTGGACTAGCAGGGCACCATGCTTCTGACGCC
                   GACGIGIACICITACAAIACGCIGCIGCIGCCGCCGICGIIGIIGIGGCIGCAACIG
                                                                                             CTGCTGCCGTTGTTCTTCTGCTGTAGAAAAAAAGAGATTTCGTATTCAAAAA
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B7-like molecules and uses thereof
Patent: WO 0200710-A 1 03-JAN-2002;
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Sequence 1 from Patent W00200710.
AX380396
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H 5	Primates; Catarrhini; Hominidae; nnto,U.M., Schultz,H.J. and Chute nd uses thereof 1 S 03-JAN-2002; nalifiers	/mol_type="unassigned DNA" /db_xref="taxon:9606" 801240 /note="unnamed protein product" /note="unnamed protein product" /notein_id="CAD28218.1" /db_xref="ReHILTVPEAVGSGSONEVIEGPQNATVLKGSQARFNCTVSQGWILTMALSDMVULSVRPMEPITINDRFSQSYQGSGNEYTERPORTYCTVSQGWILTMALSDMVULSVRPMEPITINDRFSQRYQGGNEYTERPUT INDRESDSGNIRG SLQNSRLHGSAXLTVQVMGENEPIEVSVVLVVBENEPCKYTCT.BSHWTPLDDTSWTGTT SLQNSRLHGSAXLTVQVMGENEPIEVSVVLVVBENEPCKYTCT.BSHWTPLDDTSWTGTT SLQNSRLHGSAXLTVQVMGENEPIEVSVVLVVBENEPCKYTCT.BSHWTPLDDTSWTGTT SLANDARD STATEMENT SWTGTT SLQNSRLHGSAXLTVQVMGENEPIEVSVVLVVBENEPCKYTCT.BSHWTPLDDTSWTGTT SLQNSRLHGSAXLTVQVMGENEPIEVSVVLVVBENEPCKYTCT.BSHWTPLDDTSWTGTT SLQNSRLHGSAXLTVQVMGENEPIEVSVVLVVBENEPCKYTCT.TOTT SLQNSRLHGSAXLTVQVMGENEPIEVSVVLVDENSPCKYTCT.TOTT SLQNSRLHGSAXLTVQVMGENEPIEVSVVLVVBENEPCKYTCT.TOTT SLQNSRLHGSAXLTVQVMGENEPIEVSVLVVQVRTDTSWTGTT SLQNSRLHGSAXLTVQVMGENEPIEVSVVLVVBENEPCKYTCT.TOTT SLQNSRLHGSAXLTVQVMGENEPIEVSVVLVVBENEPCKYTCT.TOTT SLQNSRLHGSAXLTVQVMGENEPIEVSVLVVQVRTDTSWTGTT SLQNSRLHGSAXLTVQVMGENEPIEVSVLVVQVRTDTSWTGTT SLQNSRLHGSAXLTVQVMGENEPIEVSVLVTVVBENEPCKYTCT SLQNSRLHGSAXLTVQVMGENEPIEVSVLVTVBENEPCKYTCT SLQNSRLHGSAXLTVQVMGENEPIEVSVLVTVBENEPCKYTCT SLQNSRLHGSAXLTVQVMGENEPIEVSVLVTVBENEPCKYTCT SLQNSRLHGSAXLTVQVMGENEPIEVSVLVTVBENEPCKYTCT SLQNSRLHGSAXLTVQVMGENEPIEVSVLVTVBENEPCKYTCT SLQNSRLHGSAXLTVQVMGENEPIEVSVLVTVBENEPCKYTCT SLQNSRLHGSAXLTVGVMGENEPIEVSVLVTVBENEPCKYTCT SLQNSRLHGSAXLTVGVMGENEPIEVSVLVTVBT SLQNSRLHGSAXLTVGVMGENEPIEVSVLVTVBT SLQNSRLHGSAXLTVGVMGENEPIEVSVLVTVBT SLQNSRLHGSAXLTVGVMGENEPIEVSVLVTVBT SLQNSRLHGSAXLTVGVMGENEPIEVSVLVTVBT SLQNSRLHGSAXLTVGVMGENEPIEVSVLVTVBT SLQNSRLHGSAXLTVGVMGENEPIEVSVLVTVBT SLQNSRLHGSAXLTVGVMGENEPIEVSVLVTVBT SLQNSRLHGSAXLTVGVMGENEPIEVSVLVTVBT SLQNSRLHGSAXLTVGVMGT SLQNSRLHGSAXLTVGVMGT SLQNSRLHGSAXLTVGVMGT SLQNSRLHGSAXLTVGVMGT SLQNSRLHGT SLQNSRLHGSAXLTVGVMGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHGT SLQNSRLHG		Weily Matches 1076; Dest 1076; DB 6; Length 1240; Best Local Similarity 99.8%; Pred. No. 0; Matches 1076; Conservative 0; Mismatches 2; Indels 0; Gaps 0; QY 91 AGTCCTGAAGGCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGCTGGAAGCTCAT 150 Db 163 AGTCCTGAAGGCTCCCAGGCTTCAACTGCACCGTTCCCAGGGTGGAAGCTCAT 150	CATGTGGGCTCTCAGTGACATGGTGCTAAGCGTCAGGCCCATGGAGCCCATCACACACCATCACACATCATCACACATGAGGCCCATGAGGCCCATCACATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCCATGAGGCCAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	263 271 343 331	Db 403 CCTGCATGGATCTGCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCATGT 462 Qy 391 TAATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCTCACCTGAC 450	Db 523 dcddddddddddddddddddddddddddddddddddd
Qy 91 AGTCCTGAAGGGCTCCCAGGCTCGCTCTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCAT 150 Db 98 AGTCCTGAAGGGCTCCCAGGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCAT 157 Qy 151 CATGTGGGCTCTCAGTGACATGGTGCTAAGCGTCAGGGCCCATGGAGCCCATCATCAC 210 Db 158 CATGTGGGCTCTCAGTGACATGGTGCTAAGGGTCAGGCCCATGGAGCCCATGACCCTCACCCATGACCCATGACCCCATGGAGCCCCATGGAGCCCATGGAGCCCCATGGAGCCCATGGAGCTCACTCA	271 CATCCACAATGTGGAGCCCAGTGATTCGGGAACATCAGATCAGAGATGAGTCGGAAATGTGGAGCTCCAGAACATGAGTCGGAACATGAGTCGGAACATCAGATGAGTCGGAACATCAGATGAGTCGGAACATCAGATGAGTCGGAACATCAGATGCAGCTCCAGAACATGAGTCGAGTTTCGGGGAACATCAGATGCAGCTCCAGAACATGAACATCAGAACATGAACATGAACAGTCGTCCAAGTTATGGGAGAGCTGTTCCTATTCCCAGTGTTTTTTTT	QY 391 TAATCTTGTAGTGGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGAC 450 Db 198 TAATCTTGTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGAC 457 QY 451 CTGGCTCCCGGATATTTCCTGGGACTCGGTCCTTGGTCACCTTCACCTTCACCTTGGAC 457 Db 458 CCGCTCCCGGATATTTCCTGGGACTCGGTCCTTGGTCACCTTCAAGCTATTATTT 510 CQ 511 TGTTCCGGAGCTCTGGAGCTCGGTCACTGGACCCACTGACCCTTGAAGTTATTTTT 517 QY 511 TGTTCCGGAGCCCCACGACCACTCAAAGTGCAGTGAAGCATCTGACCCCACAGAG 570 518 TGTTCCGGAACCCCACAGGACCTTCAAAGTGCAACACACAC	GCCGCAAGTCTGCAAC GCCGCAAGTCTGCAAC GCCGCAAGTCTGCAAC GCCGCAAGTCTGCAAC	638 IGHARATCTGTGTGATTGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGG 691 IGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGCAAAGTTGGACT 698 IGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGCAAAGTTGGACT 698 IGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGCAAAGTTGGACT	VY VGGACTACAGGGACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTG 810 V	CAAAAGAAATCTGAAAAAGAGAAGACAAAGA [ATCCAGTGATCCTGAACAAAGAACAG ATCCAGTGATCCTGAACAAAGAAACAG ATCCAGTGATCCTGAACAAAGAAACAG ACGTCCACCCAGGCCAGCAAGAAACACG ACGTCCACCAGGCCAGCAAGAAACACG	1111 ACAGGCTTCTTTTAATCTGGCCAGTCCTGAGAGGTCGACCCAGGCCAGTCAGGCCAGTCTTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTCAGTCAG

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Yamamoto,J.I., Isomo,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R.,
Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and
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       TGGACTAGCAGGCACCTTCTGACGCCGACGTGTACTTACAATACGCTGCTG
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Patent: EP 1308459-A 1104 07-MAY-2003;
Helix Research Institute (JP) ; Research Association
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ilarity 99.8%; Pred. No. 0;
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1089 1050 1269 930 066 606 810 696 870 069 849 750 1111 ACAGGCTTCTTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1168 1327 630 789 510 699 570 390 549 450 609 270 330 489 AGACACCGCTTCTCTCCCTCCCAAATCCTGTGAATCCAGTGATCCTGAACAAAGAAACAA TGTATTATCAAGTTTACCGAGTTTTAGGTTTTTCATTGCCCTACTTGGGGCAAAGTTGGACT TEGACTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTACTACAATACGCTGCTG AACTGAGACAGAAAGTGGAAATGAAAACTCCGGCTACAATTCAGATGAACAAAAGACCAC CAATGGGACTITGACTTGCGTGGCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAAC TGTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGG TGTATTATCAAGTTTACCGAGTTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACT CATCCACAATGTGGAGGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCG TGTTCCGGAGCCCAGCGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCCACAGAG CAATGACCGCTTCACCTCTCAGAGGTACGACCAGGGGAACTTCACCTCGGAGATGAT CCTGCATGGATCTGCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGT 490 CCTGCATGGATCTGCTTACCTTACCGACGATATGGGAGAGCTGTTCATTCCCAGTGT 391 TAATCTIGIAGICGCTGAGAATGAACCTTGIGAAGTIACTIGICTACCCTCACACTGGAC CTGGCTCCCCGGATATTTCCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTT CATGTGGGCTCTCAGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCAC

451 610 670 571 730 631	0			Catarrhini; Hominidae; Schultz, H. J. and Chute; reof: 2002; ns." DNA."
DEFINITION Homo sapiens cDNA FLJ35197 fis, clone PLACE6017788, highly similar to IGSFS. ACCESSION AK092516 AK0	and Isogai, T. TITLE NEDO human CDNA sequencing project JOUNNAL NEDELL D. 1. Nagal, K. REFERENCE 2 (bases 1 to 2051) AUTHORS Isogai, T. and Yamamoto, J. TITLE Direct Submission JOURNAL Submitted (04-JUL-2002) Takao Isogai, FLJ Project (HRI Team); 2-6-7 Kazusa-Kamatari, Kisarazu, Chiba 292-0812, Japan (E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986) RESPACH NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; CDNA full insert sequencing: Research Association for Biotechnology (RAB); cDNA library construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5'- & 3'-end one pass sequencing: RAB, HRI, and Biotechnology Center, National Institute of Technology.	Evaluation; clone selection for full insert sequencing; HRI and RAB. RAB; annotation: HRI and RAB. Location/Qualifiers 1. 2051 Corganism="Homo sapiens" /mol_type="mRNA" /db xref="taxon:9606" /lissue type="placenta" /tissue type="placenta" /tissue type="placenta" /clone lb="placenta" /clone lb="placenta" /clone lb="placenta"	Query Match 83.6%; Score 976; DB 9; Length 2051; Best Local Similarity 99.8%; Pred. No. 0; 3. Indels 0; Gaps 0; QY 91 AGTCTGAAGGGCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCAT 150 Db 250 AGTCCTGAAGGCTCCCAGGCTCCACGCTCCACGGCTCTCCCAGGGCTGGAAGCTCAT 309 Db 151 CATGTGGGCTCTCAGTGACATGGTGCTAAGCGTCAGGGCCATGGAGCCATCATCAC 210 Db 310 CATGTGGGCTCTCAGTGACATGGTGCTAAGCGTCAGGCCCATGGAGCCATCATCAC 369 CA 211	CATCCACAATGTGGAGCCCAGTGATCGGGAACATCAGATCACACACA

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ILNNETVAVALLTSGLINVHPGQQVIHRLLLMPVLRRSVIQL"
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Pred. No. 0;
0; Mismatches 2; Indels
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illarity 99.8%;
Conservative 0
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PRI 02-FEB-1999
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1 (bases 1 to 142742)
Taudien,S., Dagand,E., Hildmann,T., Nordsiek,G., Drescher,B., Schattevoy,R., Weber,J., Schilling,M., Menzel,U., Yaspo,M.L. and
                                                                                                                                                                                                                                                                                        Rosenthal, A.
Direct Submission
Submitsed (21-JAN-1999) Genome Analysis, Institute for Molecular Submitted (21-JAN-1999) Genome Analysis, Institute for Molecular Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                note="GRAIL, score = 50.000%, comment = good shadow"
AF121782 142742 bp DNA linear PRI 02-FEB
Homo sapiens chromosome 21g22.3 PAC 206Al0, complete sequence.
AF121782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               comment = excellent"
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2879 . 2931
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* URL: http://chr21.rz-berlin.mpg.de/.
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note="(TCCA)n"
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                                FEATURES
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

I (bases 1 to 340000)

Rattori,M., Fujiyama,A., Taylor,T.D., Watanabe,H., Yada,T., Park,H.S., Toyoda,A., Ishii,K., Taudien,S., Hebschafdt,K., Polley,A., Menzel,U., Delabar,J., Kumpf,K., Lehmann,R., Patterson,D., Reichardid,K., Rumpf,K., Eshbuyar,K., Kawasaki,K., Astromarakis,S. B., Mincani,A., Sasaki,T., Nagamine,K., Mitsuyama,S., Antonarakis,S.E., Mincshima,S., Schen,O., Desario,A., Reichelt,J., Kauer,G., Blocker,H., Ramser,J., Beck,A., Klages,S., Hennig,S., Riesselmann,L., Dagand,E., Wehrmeyer,S., Borzym,K., Kand, M., Chorn,O., Desario,A., Klages,K., Klasselmann,L., Dagand,E., Wehrmeyer,S., Borzym,K., Kand, M., Mizetic,D., Francis,F., Lehrach,H., Reinhardt,R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Keio University School of Medicine, Dept. of Molecular Biology, ^{\star}
                                                                                                                                                                                                                               Submitted (105-MAY-2000) The Chromosome 21 Mapping and Sequencing Consortium: * RIKEN Genomic Sciences Center, Human Genome Research Group * Institute of Molecular Biotechnology, Genome Analysis * Keio University School of Medicine, Dept. of Molecular Biology * Genome Analysis * Max-Planck Institute for Molecular Genome Analysis * Max-Planck Institute for Molecular Genetics (addresses see below)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRI 24-MAY-2000
                                                                                                          283
                                                                                                                                                                                                    284 GAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGCCTGCATGGATCT 343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The Chromosome 21 Mapping and Sequencing Consortium consists of
* RIKEN Genomic Sciences Center, Human Genome Research Group, *
Sagamihara 228-855, Japan,
* e.mail: sakaki@gsc.riken.go.jp
* URL: http://hgp.gsc.riken.go.jp/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          * Mascheroder Weg 1, D-38124 Braunschweig, Germany, * e.mail: hifo.genome@dpf.de * URL: http://genome.gbf.de/
            AGTGACATGGTGGTGGTGGTGGTGGTGGAGCCCATCATCACCAATGACGGCTTC
                                                                                                          224 ACCICICAGAGGIACGACCAGGGGGAACTICACCICGGAGAIGAICAICCACAAIGIG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    * Institute of Molecular Biotechnology, Genome Analysis,
Beutenbergstrasse 11, D-07745 Jena, Germany,
* e.mail: gscj-submit@genome.imb-jena.de
* URL: http://genome.imb-jena.de/
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* Ihnestrasse 73, D-14195 Berlin, Germany,
* e.mail: info-chr21@molgen.mpg.de
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 340000 bp DNA 1:
Homo sapiens chromosome 21 segment HS21C080.
AL163280 AP001735 BA000005
AL163280.2 GI:7717369
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268634 ACTCTCAGAGGTACGACCAGGGGAACTICACCTCGGAGATGATCATCCACAATGTG 268693
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                                                                                    44 GGTTCTGGGTCTGGTAATGAAGTCATAGAAGGCCCCCCAAAATGCAAGAGTCCTGAAGGGC 103
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182532 bp DNA linear PRI 16-OCT-2003
Pan Linglodytes chromosome 22 BAC CH251-179K04, complete sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished

2 (bases 1 to 182532)
Scharfe,M., Berg,C., Conrad,A., Hornischer,K., Loehnert,T.H.,
Ludewig,M., Thies,S., Weber,K. and Bloecker,H.
Direct Submission
Submitted (03-JUN-2003) GBF, Dept. of Genome Analysis, Mascheroder
Weg 1, D-38124 Braunschweig, Germany, E-mail: info.genome@gbf.de
The Chimpanzee Chromosome 22 Sequencing Consortium consists of:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.
1 (bases 1 to 182532)
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                                                                                                                                                                                                                                                                                                           224 ACCTCTCACAGGTACGACCAGGGCGGGACTTCACCTCGGAGATGATCATCACCACAATGTG
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Consensus quality: 0 bases at least Q40
Consensus quality: 0 bases at least Q20
Consensus quality: 0 bases at least Q20
Estimated insert size: ##; agarose-fp estimation
Bstimated insert size: 182532; sum-of-contigs estimation
                       Length 340000;
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Chemistry: Dye-terminator-amersham: ##% of reads
Chemistry: Dye-primer-amersham: ##% of reads
               27.3%; Score 319; DB 9; Le
100.0%; Pred. No. 3.6e-176;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Center project Information
Center project name:
Center clone name: CH251-179K04
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Web site: http://genome.gbf.de/
Contact: info.genome@gbf.de
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pan troglodytes (chimpanzee)
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Center code: GBF
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                                              Matches 319; Conservative
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Taiwan;
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           Query Match
Best Local Similarity
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The PTB1 chimpanzee BAC library was prepared from DNA isolated from cultured cells established from the blood of a single male
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This entry has been annotated with sequence
estimates computed by the Phrap assembly program.
All manually edited bases have been reduced to quality zero.
Quality levels above 40 are expected to have less than 1 error in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequencing vector: pUC18; 100% of reads Chemistry: Dye-terminator Big Dye and dGTP; 100% of reads Assembly program: Phrap; version 0.990329
*GBF, Dept. of Genome Analysis, Braunschweig, Germany; *Institute of Molecular Biotechnology, Jena, Germany; *KRIBB Genome Research Center, Daeleon, Korea;
*Max-Planck-Institute for Molecular Genetics, Berlin, Germany; *National Institute of Genetics, Mishima, Japan;
*National Yang Ming University Genome Research Center, Taipei,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This sequence was finished as follows unless otherwise noted: all
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     533 CAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTGACTTGCGTG
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  an attempt was made to resolve all sequencing problems, such compressions and repeats; all regions were covered by at one
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Clones may be obtained from Asao Fujiyama and co-workers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
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156,288 bases at least Q30
156,288 bases at least Q20
                                                                                                                                                                                                                                                                      *RIKEN Genomic Sciences Center, Yokohama, Japan.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 9; -
. 3.4e-73;
0;
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/clone="PTB-060F12"
/clone_lib="PTB1_chimpanzee_BAC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        subclone or more than one M13 subclone;
                                                                                                                                                                                                                                                                                                                                          Center: National Institute of Genetics
                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
12.4%; Score 145; DB
Best Local Similarity 100.0%; Pred. No. 3.44
Matches 145; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1. .156288
/organism="Pan troglodytes"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /mol_type="genomic_DNA"
/db_xref="taxon:9598"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GCTACCTGGAAGAGCCTGAAGGCCC 617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (http://www.gsc.riken.go.jp).
VECTOR: pKS145
                                                                                                                                                                                                                                                                                                                   Genome Center
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Consensus quality:
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Pan troglodytes chromosome 22 clone:PTB-060F12, map 22, complete
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.
                                                                                                          + Analysis and annotation were performed with the automatic + 'first-pass' annotation and submission tool + 'AnnoMitter' (Hornischer & Bloecker). + 'Programs used by 'AnnoMitter': + 'Programs used by 'AnnoMitter': + 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter': + 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMitter' 'AnnoMi
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/clone="CH251-179K04"
| . 185532
| note = assembly fragment.clone end:T7.vector_side:left
assembly_fragment.clone_end:SP6.vector_side:right"
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Saitou, N., Kim, C., Kitano, T., OOta, S., Shimada, M., Kryukov, K., Tomiki, T. and Kohara, Y.
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DNA sequence of chimpanzee chromosome 22 and its evolutionary
implications
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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Pred. No. 5.1e-130;
0; Mismatches 1; Indels 0;
                                                                                   PROGRAMS AND PARAMETERS USED FOR ANNOTATION:
                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="Pan troglodytes"
/mol_type="genomic DNA"
/db xref="taxon:9598"
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                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
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ilarity 99.7%;
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complement(1351413814)	/evidence_not_experimental /rpt_family="Alusx" complement(1382314116) /evidence=not_experimental /rpt_familio="Aluso"	<pre>complement(1566215785) /evidence=not_experimental /rpt_family="MEREA" complement(18984_19247)</pre>	<pre>// control of the control of th</pre>	<pre>19378: .19470 /note="homology = 81.70%, score = 28, counts = 3" /evidence=not experimental</pre>	<pre>/rpt type=tandem /rpt_unit="agtatctattctgattgggcagtgctcatac" complement (2037120556)</pre>	/evidence=not_experimental /rpt_family=wmER3"	2.22521500 /evidence anot experimental / $ ext{fpt}_{\perp} ext{family}= ext{`$AluSx''}$	2239122567 2229122567 /vor familyMpp3.okm	7 rg - runt 7 - runt 3 - runt 2 - runt 2 - runt 3 - runt	/ vertexterm = $\frac{1}{2}$ vertext = $\frac{1}{2}$	/evidence=not_experimental /rpt_family="MER39b" 24223248-MER39b"	/evidence_not experimental /rpt_family="WSTB-internal"	2445524889 /evidence=not_experimental	/rpt_tamily="MSTB" complement(2543425767)	/rolucance=noc_experimental /rpt_family="WERS8B" 2599326599	/evidence=not experimental /rpt_family="AluSq"	2722227283 /evidence=not_experimental	/rpt_ramily="MIR" complement(289332, .29335) /pvidence=non-powners=non-power=no-power=no-powe	/ryteince=noc_experimental /rpt_family="MSTA" complement(2946230001)	/evidence=not_experimental /rpt_family="MBR34"	complement(3030830676) /evidence=not_experimental	/rpt_tamily="MLT1B" 31012, .31364	/eVidence=not_experimental /rpt_family="MLTIA2"	<pre>comp.tement(3250732738)</pre>	/_tbtamility="moil" Complement (3276c, .32980) /eVidence=norp experiment=1	/rpt_family="MSTD" 32468 - 22570	Jorgon, Josefa Ferral Community	34563. 34620 /note="homology = 93.10%, score = 21, counts = 2"	/vevidence=not experimental /rpt_type=tandem /rpt_unit="tttccagaaaagaatacgtactttaggca"
repeat_region	repeat_region	repeat_region		repeat_region	repeat_region			repear_region	repeat_region	repeat_region	repeat region		repeat_region	repeat_region	repeat region	n I	repeat_region	repeat_region	repeat_region		repear_region	repeat_region	t and the state of	repear_region	repeat_region	repeat region		repeat_region	
Db 121 GCTACCTGGAAGAGCCTGAAGGCCC 145	RESULT 11 AF064857 LOCUS DEFINITION Homo sapiens BAC derived from chomosome 1.000	ACCESSION AF064857.1 GI:3171149 KEYMORDS HTG	Σ	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. REFERENCE 1 (Dases 1 to 199665)		JOURNAL Submitted (11-MAY-1998) Genome Analysis, Institute for Molecular Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany	rce	/mol_type="genomic DNA" /db_xref="text-organic DNA" /rbmonene			repeat_region 747814	repeat_region complement(1345, 1500) /evidence=not_experimental	/rpt_family="LiPA4" repeat_region 14991588		<pre>conglemen(1584: .2179) / evidence=not experimental /rnf familv="flabor"</pre>	repeat_region 2174 .346 .346 experimental	/rpt_family="LlPA2" repeat_region 3388. 3454	/evidence=not experimental //Tpt_family="IlP" repeat region 365g 4006		repeat_region complement(62456668) /evidence=not_experimental	repeat_region 6611 .6969	/evidence=not_experimental /rpt_family="AluJb"	repear_region complement(70577376) /evidence=not_experimental	repeat_region complement (73877491)	/evluctoc=noc experimental /rpt_family="I]ME3A" repeat region 7781 8000		repeat_region 450. 18823 / repeat_region / repeat_region / evidence-not every	/rpt_family="LiPAgr" repeat_region complement(1045610720)	/evidence=not_experimental $/ ext{rpt}_{ ext{Eamily}="ar{ ext{L}}2}$ "

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Pan troglodytes

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Mammalia; Butheria; Primates; Catarrhini; Hominidae; Pan.

1 (bases 1 to 192219)

1 (bases 1 to 192219)

2 Chimpanzee chromosome 22 genomic sequence

Unpublished

2 (bases 1 to 192219)

3 Charfe,M., Berg,C., Conrad,A., Hornischer,K., Loehnert,T.H.,

Ludewigh,M., Thies,S., Weber,K. and Bloecker,H.

Direct Submission

3 Submitted (25-JUN-2003) GBF, Dept. of Genome Analysis, Mascheroder

Neg 1, D-38124 Braunschweig, Germany, E-mail: info-genome@gbf.de

On Nov 19, 2003 this sequence version replaced gi:38228900.

The Chimpanzee Chromosome 22 Sequencing Consortium consists of:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RP43002119 192219 bp DNA linear PRI 19-NOV-2003
P. Proglodytes chromosome 22 BAC RP43-002119, complete sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Shanghai, China
*GBF, Dept. of Genome Analysis, Braunschweig, Germany; *Institute
of Molecular Biotecnology, Jena, Germany; *KRIBB Genome Research

    192219
    note="assembly_fragment-clone_end:T7-vector_side:left assembly_fragment-clone_end:SP6-vector_side:right"

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*Max-Planck Institute for Molecular Genetics, Berlin, Germany;
*National Institute of Genetics, Mishima, Japan;
*National Yang Ming University Genome Research Center, Taipei,
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Consensus quality: 0 bases at least Q40
Consensus quality: 0 bases at least Q30
Consensus quality: 0 bases at least Q20
Estimated insert size: ##; agarose-fp estimation
Estimated insert size: 192219; sum-of-contigs estimation
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Chemistry: Dye-terminator-amersham: ##% of reads
Chemistry: Dye-terminer-amersham: ##% of reads
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PROGRAMS AND PARAMETERS USED FOR ANNOTATION:
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Center project name:
Center clone name: RP43-002119
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note="homology = 98.40%, score = 29, counts = 2"
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8.6%; Score 100; DB 9; Length 199665;
Best Local Similarity 100.0%; Pred. No. 1.5e-46;
Matches 100; Conservative 0; Mismatches 0; Indels 0;
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40543. 41180
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/rpt_family="LiPB1"
/complement (42.78 . 46.751)
/rpt_family="LiPB1"
/rpt_family="LiPB1"
/complement (46.792 . 47.084)
/rpt_family="LiMA"
/rpt_family="LiMA"
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/rpt_family="L2"
complement(48002. .48132)
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complement(42332. .42710)
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complement(42066. 42114)
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42138. .42317
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/rpt_family="MLT2CB"
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97137 CATGGTGGCAGGAGCCATGGAAATAGAGACCCACCCGGT 97176
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Battori,M., Fujiyama,A., Taylor,T.D., Watanabe,H., Yada,T., Parkyl,H.-S., Toyoda,A., Ishii,K., Totoki,Y., Choi,D.-K., Soeda,E., Ohki,M., Takagi,T., Sakaki,Y., Taudien,S., Blechschmidt,K., Soeda,E., Ohki,M., Takagi,T., Sakaki,Y., Taudien,S., Blechschmidt,K., Polley,A., Menzel,U., Delabar,J., Kumpf,K., Lehman,R., Patterson,D., Reichwald,K., Rump,A., Schillhabel,M.B., Schudy,A., Shintani,A., Sasaki,T., Nagamine,K., Mitsuyama,S., Antonarakis,S.E., Minoshima,S., Shimizu,N., Nordsiek,G., Hornischer,K., Brandt,P., Schoen,O., Desario,A., Reichelt,J., Kauer,G., Blocker,H., Ramser,J., Beck,A., Klages,S., Hennig,S., Riesselmann,L., Dagand,E., Haaf,T., Wehrmeyer,S., Reinhardt,R. and Yaspo,M.Laure, The DNA Sequence of human chromosome 21

In Nature 405 (6784), 311-319 (2000)
                                                                                                    191622 GGGAACTTCACCTCGGAGATGATCATCCACAATGTGGAGCCCAGTGATTCGGGGGAACATC 191681
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Weber, J., Schattevoy, R., Yaspo, M.-L., Rosenthal, A., Yaspo, M.-L. and
Rosenthal, A.
                                                                         248 GGGAACTICACCICGGAGAIGAICAICCACAAIGIGGAGCCCAGIGAIICGGGGAACAIC 307
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo
                                                                                                                                                                                                                                                                                                              AF064860 170121 bp DNA linear PRI 05-MAR-20
Homo sapiens chromosome 21 clone PAC 70124 map 21q22.3, complete
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Submitted (27-FEB-2002) Genome Analysis, Institute of Molecular
Biotechnology, Beutenbergstr. 11, Jena 07745, Germany
4 (bases 1 to 170121)
Rump, A., Dagand, B., Hildmann, T., Nordsiek, G., Drescher, B.,
Weber, J., Schattevoy, R., Yaspo, M.-L. and Rosenthal, A.
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                                               Gaps
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Weber, J., Schattevoy, R., Yaspo, M.-L. and Rosenthal, A.
Direct Submission
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                 Pred. No. 5.5e-30;
                                      Mismatches
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/organism="Homo sapiens"
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100.08; Pre-
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                                                                                                                                                            308 AGATGCAGCCTC 319
                                      Conservative
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             Best Local Similarity
Matches 72; Conserv
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KEYWORDS
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AUTHORS
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DB 9; Length 170121;

3.4%; Score 40;

Query Match

/clone="PAC 70124"

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INV 25-MAR-2003
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MEASNEGLKEAQREAREAREDARVREAEHREELRKEKELFNALLAQTLGGTGGTGGTRLEG
GOELQREGELLRRMESQORGEORQGLEDQRORWROQOGKQORQORLPAQOWPTVQQS
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CSVHRAPKVSGQLTRCFRCLERGHIAATCTGEDRSKRCLRCGDQTHKASGGTNEVKCM
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ADSRRQEGPSTRESGTRWRTRHFDAELFGVALDVASFTERVTSAESLERVMTEACDAA
MARVFPSQGHSGRPAYWWTPAIEVLCENCRLAKERLEAAIDEEEQIAAASDLLQVRTA
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/translation="MEVLQINVNRSRSAQDLALNTMRVERADVCLMVELHSVPRNNGN
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MQRIDVLARGHPRVVFAGDLNAWHTAWGSCRTNAKGEAVVQLVDSLGLEVLNTGTAPT
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PQHPPVDWPASPGQVLERGEEEPVRDVNEQELLDIASSLNFRKAPGLDGVPNAALTAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Submitted (26-AUG-2002) Kenji K Kojima, University of Tokyo, Department of Integrated Biosciences, Graduate School of Frontier Sciences; Biosciences Bullding 501, 5-1-5 Kashiwanoha, Kashiwa, Chiba 277-8562, Japan (E-mail:kK275136mail:ecc.u-tokyo.ac.jp, Tel:81-4-7136-3661, Fax:81-4-7136-3660)
авоуов20
Anopheles gambiae retrotransposon R7Ag1 DNA, complete sequence.
AB090820
                                                                                                                                                                                                                                Eukaryota; Metazoa, Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea;
                                                                                                                                                                                                                                                                                                                                                          Kojima, K.K. and Fujiwara, H.
Evolution of Target Specificity in R1 Clade Non-LTR
                                                                                                                                                              Anopheles gambiae (African malaria mosquito)
Anopheles gambiae
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/product="reverse transcriptase"
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/protein_id="BAC57915.1"
/db_xref="G1:28569878"
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Kojima, K.K. and Fujiwara, H.
Direct Submission
                                                                                                         AB090820.1 GI:28569877
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/note="ORF2"
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Drosophila melanogaster (fruit fly)

Drosophila melanogaster

Eukaryota, Metazoa, Arthropoda; Hexapoda, Insecta; Pterygota;

Bukaryota, Badopterygota; Diptera; Brachycera; Muscomorpha;

Ephydroidea; Drosophilidae; Drosophila.

Ephydroidea; Drosophilidae; Drosophila.

Stapleton, M., Brokstein, P., Hong, L., Agbayani, A., Carlson, J., Champe, M., Chavez, C., Dorsett, V., Dresnek, D., Farfan, D., Frise, E., George, R., Gonzalez, M., Guarin, H., Kronmiller, B., Li, P., Lise, W., Miranda, A., Mungall, C.J., Nunco, J., Pacleb, J., Patel, S., Phouannenavong, S., Wan, K., Yu, C., Lewis, S.E., Rubin, G.M.
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KRCLLVVALDVRNAFNTASWQCIATALEDKGVPRQLRNILRDYFANRELVYDTAGGFV
.rkhtdifkklfqecldnerfpdewkkqklalipkpgkppglassfrpilllinnpgkv
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Submitted (10-UNN-2002) Berkeley Drosophila Genome Project,
Lawrence Berkeley National Laboratory, One Cyclotron Road,
Berkeley, CA 94720, USA
Sequence submitted by:
Berkeley Drosophila Genome Project
Lawrence Berkeley National Laboratory
Berkeley, CA 94720
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100.0%; Pred. No. 0.031;
tive 0; Mismatches 0; Indels
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Drosophila melanogaster LD27161 full insert cDNA.
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/strain="y; cn bw sp"
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Location/Qualifiers
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Best Local Similarity 100.
Matches 25; Conservative
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LOCUS
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ALIGNMENTS

Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinfermatory; dermatological; antipyroid; antioncer; antiallergic; antidabetic; nameostatic; antibyroid; antiulcer; antiallergic; antiasthmatic; antibyroid; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss. /product= "B7-like protein, B7-L_h2" Chute HT; DNA encoding human B7-like protein, B7-L_h2. Schultz HJ, Location/Qualifiers ABK13029 standard; cDNA; 1168 BP 28-JUN-2001; 2001WO-US020719 28-JUN-2000; 2000US-0214512P. 28-NOV-2000; 2000US-00729264. (first entry) Welcher AA, Sarmiento UM, ಠ .1168 WPI; 2002-130881/17. (AMGE-) AMGEN INC. P-PSDB; AAU75541 WO200200710-A2 Homo sapiens 23-APR-2002 03-JAN-2002. ABK13029;

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New B7-like polypeptides, polynucleotides and their modulators, useful for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.

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The invention relates to an isolated b.-like (b/-u) polypeptiae (l) are polypeptide, polymelocitide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility.)

C conditions including reproductive disorders (e.g. infertility.)

CC miscarriage, preterm labour and delivery and endometriosis) and proteins and other regulators of B7-L polypeptides are extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of propeptide. Hence modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer. Unng, brain, breast, ovarian, cancer including seminal vesicle cancer including seminal vesicle cancer of lasease and cancers of heamatopoietic system. B7-L polypeptide testicular cancer and cancers of heamatopoietic system. B7-L polypeptide pathway can be manipulated to regulate cyctoxic T-lymphocyte response in pathway can be manipulated to regulate cyctoxic T-lymphocyte response in callegraft transplantation, graft versus host diseases. B7-L molecules are useful consumment of the symptoms associated with diseases involving chronic for alleviating the symptoms associated with diseases involving control control or to treat autoimmune diseases involving control control or to treat autoimmune diseases and autoimmune thrombocytopenic purpura and psoriasis, chronic inflammatory diseases such as inflammatory bowel diseases (Conn's disease and cutering the symptom and psoriasis, chronic inflammatory diseases such as inflammatory diseases. Habinator's diseases and involving abnormal cell proliferation, including arteriosclerosis and involving abnormal cell proliferation, including arteriosclerosis and involving abnormal cell proliferation, including arteriosclerosis and involving abnormal cell proliferation, allocated and solve transfensis and develu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             transfusions, and for treatment of allergy, aathma and hypersensitivity reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies (drave's disease), various pneumopathies (extrinsiz alveolitis), vasculopathies, coeliac disease, anaemia, thrombocytopenias, duillain-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myeloma. The present sequence represents the coding sequence of human B7-Lh2
                                   polypeptide (I). The
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                                      invention relates to an isolated B7-like (B7-L)
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1080 1080 1140 1020 1140 1020 Human, B7-like protein, B7-L; antiinfertility; gynaecological; antitheumatic; antitheumatic; antiinflaumatory; dermatological; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antibyroid; antiulecr; antiallergic; antiathmatic; nephrotropic; antibyroid; antiacter; antiallergic; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss. 900 096 961 cescriaciairicasarcaaaasaaccacasaacaccerrerererecerecers TGAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCCCTCCTCACCAGCGGGCTGA 1021 TGAATCCAGTGATCCTGAACAAAGAACAGTAGCTGTGGCCCTCCTCACCGGGCTGA TCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCTGGCCAGTCCTGA CTGCTGCCGTTGTTTCTGCTGTAGAAGAAAAAGAGATTTCGTATTCAATTTCAAAA <u>crecriscicaritaritriciscreragaagaaaaaaaagagaritricararitraaritraaaa</u> GAAATCTGAAAAAGAGAAAAAAAAAAAAAAACTGAGACAGAAAGTGGAAAATGAAAACTC gaaatctgaaaaagagaagacaaacaaagaaactgagacagaaagtggaaatgaaaactc AGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGGTTT 721 Trcarrectactressecaaagrresactresactrascassacaccarscarscass GACGIGIACICITACAATACGCIGCIGCIGCCGCCGCCGICGITGITGIGGCIGCAACIG AGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGGTTT TTCATTGCCTACTTGGGCAAAGTTGGACTTGGACTAGCAGGCACCATGCTTCTGACGC GAAGAGCCTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACTGTGATTCGGTGTCCCCA TCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCTTCAAAGTGC AGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTGACTTGCGTGGCTACCTG DNA encoding human B7-like protein, B7-L_h1. GAAGGICAGIAATACAACTGTAGTATAG 1168 ABK13028 standard; cDNA; 1175 (first entry) 23-APR-2002 ABK13028; 1081 1141 1081 1021 661 781 901 901 961 781 841 841 541 541 601 601 661 721 481 481 ABK13028 g d ò g à 음 à g ð 셤 à d 셤 ð d ò à a ò g ò du ò ð

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The invention relates to an isolated B7-like (B7-L) polypeptide (I). The useful for treating B7-like polypeptide-related disease, disorders or useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscaringe, preterm labour and delivery and endometriosis) and miscaringe, preterm labour and delivery and endometriosis) and extracellular domains and other regulators of B7-L polypeptides are proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are confined. For enhandaria in transgenic mice overexpressing B7-L growth and maintenance of cancer cells based on the observation of polypeptide. Hence modulators of (I) are useful for the treatment of polypeptide. Hence modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, pathway can be manipulated to regulate cytocoxic T-lymphocyte response in cestional diseases and autoimmune diseases. T-cell dependent B1 dorate the symptoms associated with diseases under as systemic coll mediated diseases and autoimmune diseases such as systemic lupus erythematorsus, rhematoid arthritis, multiple sclerosis, diabetes, immune thrombocytopenic purpure and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease such as inflammatory bowel disease (Crohn's disease such as inflammatory bowel disease (Crohn's disease such as inflammatory bowel disease (Crohn's disease under an organization of cancerions in the prolong graft survival B7-L molecules are also useful for diagnosis and treatment of diseases under a involving abnormal cell proliferation, including arteriosclerosis and allevation of toxic shock syndrome or allosenstitation of toxic shock syndrome or allosenstitation of toxic shock syndrome or allosenstitation of toxic shock syndrome or allosenstitation of toxic shock syndrome or allosensitiation of toxic shock syndrome or allosens New B7-like polypeptides, polynucleotides and their modulators, useful for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis. Sequence 1175 BP; 295 A; 307 C; 286 G; 287 T; 0 U; 0 Other; /product= "B7-like protein, B7-L_h1" Chute HT; Welcher AA, Sarmiento UM, Schultz HJ, Location/Qualifiers 27. .1175 Claim 1; Fig 1; 135pp; English 28-JUN-2001; 2001WO-US020719. 28-JUN-2000; 2000US-0214512P. 28-NOV-2000; 2000US-00729264. WPI; 2002-130881/17. (AMGE-) AMGEN INC. P-PSDB; AAU75540 WO200200710-A2 03-JAN-2002

98 AGICCIGAAGGCTCCCAGGCTCGCTTCAACTGCACGTCTCCCAGGGCTGGAAGCTCAT 157 91 AGTOCTGAAGGGCTCCCAGGCTCGCTTCAACTGCACGTCTCCCAGGGCTGGAAGCTCAT . 0 87.9%; Score 1027; DB 6; Length 1175; 99.9%; Pred. No. 0; 1; Indels 0; Mismatches Best Local Similarity 99.9 Matches 1077; Conservative

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277 337 390 397 450 CTGGCTCCCGGATATTTCCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTT 510 TAATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACTCTCACACTGGAC 457 690 697 750 870 1058 TAGCTGTGGCCCTCCTCACCAGCGGGCTGATCAACGTCCAGGCCAGGCCAGCAAGTCATCC 1117 757 810 817 937 997 1111 ACAGGCTTCTTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1168 1118 ACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1175 CATGTGGGCTCTCAGTGACATGGTGGTGCTAAGCGTCAGGCCCCATGGAGCCCCATCATCAC CAATGACCGCTTCACCTCTCAGAGGTACGACCAGGGCGGGAACTTCACCTCGGAGATGAT CATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCG CCTGCATGGATCTGCTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGT CCTGCATGGATCTGCTTACCTTACGTCCAAGTTATGGGAGAGCTGTTCATTACCTGT TAATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGAC CGGGCTCCCGGATATTTCCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTT TGTTCCGGAGCCCAGCGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAG CAATGGGACTTTGACTTGCGTGGCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAAC TGTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGG TGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGCAAAGTTGGACT TGGACTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTG 758 İGGACTAĞCAĞCACCATGCTİCTĞACĞCCĞACĞTĞTAĞTİĞCAĞİAÇĞÇTĞÇTĞ AACTGAGACAGAAAGTGGAAATGAAAACTCCGGCTACAATTCAGATGAACAAAAGACCAC AGACACCGCTTCTCTCCCTCCCAAATCCTGTGAATCCAGTGATCCTGAACAAGAAAAA TAGCTGTGGCCCTCCTCACCAGCGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCC 158 151 211 338 331 391 398 451 458 511 518 571 631 691 811 751 878 931 991 1051 ద qq ò ò ð 셤 à g 8 g ò g 8 g ò g à g ö qq ò d à g ò g à g ò g à

ABK13030 standard; cDNA; 1240 ABK13030 ID ABK1 XX RESULT 3

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                                                                                                 Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatological; antipBoriatic; neuroprotective; antidiabetic; haemostatic; antithyroid; antiucier; antiallergic; reproductive in orbhrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.
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2000US-00729264.
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reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies (Grave's disease), various pneumopathies (extrinsic alveolitis), vasculopathies, coeliac disease, anomemia, thrombocytopenias, Guillain-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myeloma. The present sequence represents the coding sequence of human B7-L_h3
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Pred. No. 0;
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AGACACCGCTTCTCTCCCCTCCCAAATCCTGTGAATCCAGTGATCCTGAACAAAGAAAAGA
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                                                                                 1111 ACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1168
                                                                                             Ishii S;
R, Tamechika I;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New polynucleotides and polypeptides, useful for developing a diagnostic marker or medicines for regulation of their expression and activity, or
                                        TAGCTGTGGCCCTCCTCACCAGCGGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCC
                                                                                                                                                                                                                                          Human; ss; gene; pharmaceutical; diagnostic; gene therapy; tissue regeneration; cell regeneration; membrane protein; signal transduction-related protein; transcription-related protein; osteoporosis; neurological disease; cancer; tumour.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Otsuki T, Wakamatsu A, Sato H,
Hio Y, Otsuka K, Nagai K, Irie
Otsuka M, Nagahari K, Masuho Y;
                                                                                                                                                                                                                                                                                                                                           /*tag= a
/product= "Clone PLACE60177880 protein"
                                                                                                                                                                                                                        Human cDNA encoding clone PLACE60177880,
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RES ASSOC BIOTECHNOLOGY.
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25-JAN-2002; 2002US-00350978.
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Yoshikawa T,
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P-PSDB; ADB64920.
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of gene therapy. The genes are involved in tissue and/or cell regeneration. Membrane proteins, signal transduction-related proteins, transduction-related proteins, disease-related proteins and genes enroding them can be used as indicators for diseases (e.g. osteoporosis, neurological diseases, cancer, tumours. The cDNA may be used to regulate the activity or expression of the encoded protein to treat diseases. The sequence presented is a cDNA of the invention. Note: Some of the sequence data for this patent is not represented in the printed specification, but
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                                                                                                           data for this patent is not represented in the printed specification, bu is based on sequence information supplied by the European Patent Office.
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                                                                                                                                                                               83.6%; Score 976; DB 9;
99.8%; Pred. No. 0;
iive 0; Mismatches 2;
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Matches 1076; Conservative
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The invention discloses a polynucleotide comprising a sequence selected from 1970 fully defined nucleotide sequences which encode novel polypeptides. Also claimed is a polypeptide encoded by the polynucleotide or its partial peptide, an antibody binding to the polypeptide or peptide of the polynucleotide, immunologically assaying the polypeptide or peptide of the polynucleotide by contacting the polypeptide or peptide between the two, a transformant carrying the polynucleotide in an expressible manner and an antisense polynucleotide. The oligonucleotide is useful as a primer for synthesising the polynucleotide, or as a probe for detecting the polynucleotide in the polynucleotide and encoded proteins are useful as pharmaceutical agents and many disease-related genes may be included in them, for developing a diagnostic marker or

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                                                                                                                                             The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polymucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immuse response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of
                                                                                                    radcreredecerectedecadecaderdareaceredecedecedecaderare 1269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatological; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antithyroid; antildicer; antiallergic; antialergic; reproductive disorder; graft versus host disease; tutoide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.
                                                                                                                                                                                                                 1111 ACAGGCTTCTTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1168
                                                                                                                                                                                                                                        useful
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   AACTGAGACAGAAAGTGGAAATGAAAACTCCGGCTACAATTCAGATGAACAAAAGACCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New B7-like polypeptides, polymucleotides and their modulators, to for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /*tag= a
/product= "B7-like protein, B7-L_h4"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      DNA encoding human B7-like protein, B7-L_h4.
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                                                                                                                                                                                                                                                                                                                                                 ABK13031 standard; cDNA; 1139
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28-NOV-2000; 2000US-00729264
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seminal vesicle hyperplasia in transgenic mice overexpressing B7-L cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cesticular cancer and cancers of haematopoietic system. B7-L polypeptide cesticular cancer and cancers of haematopoietic system. B7-L polypeptide allograft transplantation, graft versus host disease, T-cell dependent B-cc call mediated diseases and autoimmune diseases. B7-L molecules are useful cor alleviating the symptoms associated with diseases involving chronic immune cell dysfunction or to treat autoimmune diseases such as systemic immune thrombocytopenic purpura and psoriasis, chronic inflammatory immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and disease and ulterative collitis), Garave's disease, Hashimoto's thyroiditis and classative collitis, Tavy are also useful as immunosuppressive agents for dispetes are also useful for disposis and treatment of diseases involving abnormal cell proliferation, including arteriosclerosis and restensed to toxic shock syndrome or allospatides are useful for vascular restenosis. Antagonists of B7-L polypeptides are useful for vascular restenosis, and for treatment of allergy, asthma and hypersensitivity reactions, nephropathies (e.g. glomerulonephitis), skin disorders cancentia, thrombocytopenias, Guillain-Barre syndrome and myasthemia and mammatary and pumphigus and psophidus and psophidus and elections mannia, thrombocytopenias, Guillain-Barre syndrome and myasthemia and anaemia, thrombocytopenias, Guillain-sensitivate of human B7-L, hypercent sensitivity and spansers the colding sensitive dispensed and myasthemia
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99.8%;
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420 631 480 691 540 751

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and to produce other types of data and products dependent on DNA and amino acid sequences. AAS64197-AAS94564 represent novel human diagnostic coding sequences of the invention. Note: The sequence data for this patent did not appear in the printed specification, but was obtained in ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                 241 AATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCTCACCTCAACC
                                                                                                                                                                                                           152 AIGIGGCTCTCAGIGACAIGGIGCIAAGCGICAGGCCCAIGGAGCCCATCAICACC
                                                                                                                                                                                                                                                                 212 AATGACCGCTTCACCTCTCAGAGGTACGACCAGGGCGGGAACTTCACCTCGGAGATGATC
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                                                                                                                        Sequence 1392 BP; 338 A; 361 C; 341 G; 352 T; 0 U; 0 Other;
                                                                                                                                                                                     1; Indels
             responsible for genetic disorders or other traits
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99.9%;
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Matches 727; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to isolated polynucleotide (I) and polypeptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain creation (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The polynucleotides are also used in diagnostics as expressed sequence tags for identifying expressed control of (II) is useful in gene therapy techniques to restore normal cativity of (II) or to treat disease states involving (II). (II) is useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and as a food companent. (II) and its binding partners are useful in medical imaging of sites expressing (II). (I) and (II) are useful for treating disorders involving aberrant protein expression or biological activity. The polypeptide and polynucleotide sequences have applications in diagnostics, forensics, gene mapping, identification of mutations
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                                                                                                                                                 780
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                                                                                                                                                                                                         840
                    GGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTG
                                                                                                                                          ccraciricoscanastrosacriosacrascadedecacearscricionacesecencer
                                                                                                                                                                     ACTCTTACAATACGCTGCTGCTGCTGCCGCCGTCGTTGTTGTGGCTGCAACTGCTGCTGC
 CTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACTGTGATTCGGTGTCCCCAAGACACT
                                                                                                              CCTACTTGGGGCAAAGTTGGACTTGGACTAGCAGGCACCATGCTTCTGACGCCGACGTGT
                                                                                                                                                                                               SS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess
                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; chromosome mapping; gene mapping; gene therapy; forensic; food supplement; medical imaging; diagnostic; genetic disorder;
                                                        GGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGGTT
                                                                                                                                                                                                                                                                                                                                                                                                               encoding novel human diagnostic protein #28160.
                                                                                                                                                                                                                                             CGTTGTTGTTGCTGTAGAAGAAAAGAGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; SEQ ID NO 28160; 103pp; English.
                                                                                                                                                                                                                                                                                                                               BP
                                                                                                                                                                                                                                                                                                                           AAS92356 standard; cDNA; 1392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-MAR-2001; 2001WO-US008631
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2000US-00649167
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                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
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P-PSDB; ABG28169.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Liu C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200175067-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31-MAR-2000;
23-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    biodiversity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                   13-FEB-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Drmanac RT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-OCT-2001
                                                                                    199
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 608
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                                                                                                                                                                                                 781
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(first entry)

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The invention relates to an isolated polymucleotide comprising any one of 38043 cDNA sequences, appearing as ACH12789-ACH50831, whose sequence was determined by the technique of SBH (sequencing by hybridisation). Also included is a purified polypeptide comprising a sequence corresponding to a reading frame of the novel polymucleotide. The nucleic acid sequences are useful in diagnostics as expressed sequence tags (EST) for are useful in diagnostics as expressed sequence tags (EST) for in forensics, in assessing biodiversities, or in identifying mutations in forensics, in assessing biodiversities, or in identifying mutations responsible for genetic disorders and other traits. The nucleotide for center also useful as hybridisation probes, as oligomers for PCR, for chromosome and gene mapping, in the recombinant production of protein, or in generating antibodies specific for it. The present sequence is useful for generating antibodies specific for it. The present sequence is one of the 3043 isolated cDNA/EST sequences. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from USPTO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCAACGICCACCCAGGCCAGGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA 1140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CGGCTACAATTCAGATGAACAAAAAGACCACCACGCTTCTCTCCCCCCAAATCCTG 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GAAATCTGAAAAAGAGAAAGAAAAAAAAAAACAAAGAAACTGAGAAAGTGGAAATGAAAACTC 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New polynucleotide sequences obtained from various cDNA libraries, useful as hybridization probes, as oligomers for PCR, for chromosome and gene mapping, in the recombinant production of protein, or in generating antisense DNA or RNA.
                                                              Human; ss; sequencing by hybridisation; SBH; expressed sequence tag; EST; genome mapping; biodiversity; genetic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              243 TCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     183 igaariccagigarccigaacaaagaaacagagcigigggccicciccaccaggggciga
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TGAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCCCTCCTCACCAGCGGGCTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gabatctgaaaaagagacaaacaaagaaaactgagacagaaagtggaaatgaaaactc
                                                                                                                                                                                                                                                                                                                                                                                                                         Jones LW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 217; DB 8; Length 474; Pred. No. 3e-98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 474 BP; 154 A; 128 C; 96 G; 95 T; 0 U; 1 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              obtained in electronic format directly from USPTO at segdata.uspto.gov/sequence.html?DocID=20030073623
                                                                                                                                                                                                                                                                                                                                                                                                                           Dickson MC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                           Stache-Crain B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; SEQ ID NO 3342; 44pp; English.
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99.6%;
                                                                                                                                                                                                                                         30-JUL-2001; 2001US-00918995.
                                                                                                                                                                                                                                                                            30-JUL-2001; 2001US-00918995
                                   Human adult heart cDNA #444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches 267; Conservative
                                                                                                                                                                                                                                                                                                                                     LABAT I.
STACHE-CRAIN E
DICKSON M C.
JONES L W.
                                                                                                                                                                                                                                                                                                                                                                                                                               Labat I,
                                                                                                                                                                                                                                                                                                                   DRMANAC R T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-615964/58.
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                                                                                                                                                                     US2003073623-A1.
                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                 RT,
13-OCT-2003
                                                                                                                                                                                                        17-APR-2003
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                                                                                                                                                                                                                                                                                                                     DRMA/)
                                                                                                                                                                                                                                                                                                                                                       (STAC/)
(DICK/)
                                                                                                                                                                                                                                                                                                                                                                                            JONE/)
                                                                                                                                                                                                                                                                                                                                       LABA/)
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Human genome-derived single exon nucleic acid probes useful for analyzing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       164 AGIGACAIGGIGGIGGIGAAGGGICCAGGCCCAIGGAGCCCAICAICACCAAIGACCGCIIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           104 ICCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGGCTCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      271 icciadacircacircialciacirciacacadacardanacircarcardanacardadadacircarcardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardanacardan
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                                                                                                                                                                                                                                                                                                                                                           Probe #5268 used to measure gene expression in human placenta sample.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .
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100.0%; Pred. No. 3.4e-85;
.ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                      Probe; microarray; human; placenta; antenatal diagnosis;
GAAGGICAGIAAIACAACIGIAGIAIAG 1168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 25; SEQ ID NO 5268; 654pp; English.
                                   303 GAAGGTCAGTAATACAACTGTAGTATAG 330
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rank
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2000US-0180312P.
2000US-0207456P.
2000US-00608408.
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2000US-0236359P
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                                                                                                                                                                                                      AAI36582 standard; DNA; 401
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Matches 191; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                             genetic disorder; ss.
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21-SEP-2000;
27-SEP-2000;
04-OCT-2000;
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30-JUN-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
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        1141
                                                                                                                                                                                                                                                                  AAI36582;
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                                                                                                                                                                                  AAI36582
                                                                                                                                                    RESULT
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                                                                                                                                                                                                                                       셤
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391 ACCTCTCAGAG 401

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1080

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Gaps ; 960

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RESULT 9 AAI 04335

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The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL01840-ABL16175) and the encoded protesins (ABBS7737-ABBR2072). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                     New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell
                 Drosophila melanogaster expressed polynucleotide SEQ ID NO 40961.
                                                       Drosophila; developmental biology; cell signalling; insecticide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Drosophila melanogaster expressed polynucleotide SEQ ID NO 40958.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Drosophila; developmental biology; cell signalling; insecticide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 6507 BP; 1745 A; 1888 C; 1712 G; 1162 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 24; DB 4; Length 6507;
Pred. No. 0.25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; SEQ ID NO 40961; 21pp + Sequence Listing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2.1%; scc.
100.0%; Pred. No. c.
... 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                Myers EW;
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                                                                                                                                                                                                                                                                                                                                                                PWD,
                                                                                                                                                                                                                          23-MAR-2001; 2001WO-US009231.
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11-JUL-2000; 2000US-00614150.
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nes 24; Conservative
                                                                          pharmaceutical; gene; ss
                                                                                                              Drosophila melanogaster.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     pharmaceutical; gene; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Drosophila melanogaster.
                                                                                                                                                                                                                                                                                                                                                              Σ
                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-656860/75
                                                                                                                                                                                                                                                                                                                       (PEKE ) PE CORP NY
                                                                                                                                                                                                                                                                                                                                                              Adams
                                                                                                                                                                                                                                                                                                                                                                                                                   P-PSDB; ABB71390.
                                                                                                                                               WO200171042-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              interactions.
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                                                                                                                                                                                     27-SEP-2001
                                                                                                                                                                                                                                                                                                                                                          Venter JC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABL15492;
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à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present sequence is one such probe. The probes are useful for measuring human gene expression in a human breast sample, where the probe byridises at high stringency to a nucleic acid expressed in the human staging, monitoring and prognosing diseases of the human breast. The probes are useful for predicting, diagnosing, grading, staging, monitoring and prognosing diseases of the human breast, include: breast cancer, disorders of development, inflammatory diseases of the breast, fibrocystic changes, proliferative breast diseases of the breast unmours. Note: The sequence data for this patent did not form part of the princed specification, but was obtained in electronic format
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel single exon nucleic acid probe used to measuring gene expression in
                                                                                                                                                                                                            Probe; human; breast disease; breast cancer; development disorder; ss; inflammatory disease; proliferative breast disease; non-carcinoma tumour.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to novel single exon nucleic acid probes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                       Probe #4326 used to measure gene expression in human breast sample.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 5; Length 357;
0.074;
hes 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 357 BP; 117 A; 68 C; 64 G; 108 T; 0 U; 0 Other;
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100.0%; Pred. No. v
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 25; SEQ ID NO 4326; 322pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Rank DR;
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                                                           AAI04335 standard; DNA; 357 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000GB-00024263.
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                                                                                                                                                                                                                                                                                                                                                                                    29-JAN-2001; 2001WO-US000661.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              2000US-00608408.
                                                                                                                                                                                                                                                                                                                                                                                                                                             2000US-0207456P
                                                                                                                                     (first entry)
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Matches 25; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hanzel DK,
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                                                                                                                                                                                                                                                                                                             WO200157270-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             a human breast
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                                                                                                                                                                                                                                                                                                                                                                                                                                               26-MAY-2000;
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                                                                                                                                     09-OCT-2001
                                                                                                                                                                                                                                                                                                                                                09-AUG-2001
                                                                                                AAI04335;
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23-MAR-2001; 2001WO-US009231.

26-MAR-2002 (first entry)

ABL15493;

axxx a

RESULT 10 ABL15493/

27-SEP-2001

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The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polypeptide related disease, disorders or conditions including reproductive disorders (e.g. infertility, an including reproductive disorders (e.g. infertility, an including reproductive disorders (e.g. infertility, an including reproductive disorders (e.g. infertility, an including reproductive disorders (e.g. infertility, an including reproductive disorders (e.g. infertility, an including reproductive disorders (e.g. infertility, an including reproductive disorders (e.g. infertility, an including reproductive disorders (e.g. infertility) and including seminal vesicle hyperplasia and other regulators of E7-L polypeptides are collaborated. Hence modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cell mediated diseases and autoimmune disease, T-cell dependent B-allograft transplantation, graft versus host disease, T-cell dependent B-allograft transplantation, graft versus host diseases involving chronic immune chrombocytopenic purpure and psoriasis, chronic inflammatory immune thrombocytopenic purpure and psoriasis, chronic inflammatory collitis, grave's disease, drawing disease such as inflammatory bowel disease, declared and disease such as inflammatory bowel disease, declared and disease such as inflammatory bowel disease, declared and diseases and culcerative collitis, grave's disease, lashimoto's thyroiditis and disease mellitus They are also useful as immunosuppressive agence of involving abnormal cell proliferation, including arterisorlerois and for transplantation or to prolong graft survival. B7-L collogenties are also useful for diseases (Crohic sections, nebropathies (e.g. longerulopathies, else diseases, and pemphagoid), endocrinopathies (centralization declares). Antagonists of the disease such as independen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Glial cell line-derived neurotrophic factor receptor gamma 1; GDNFR-alpha; glial cell line-derived neurotrophic factor; GDNF; neurodegenerative disease; amyotrophic lateral sclerosis; GDNFR-gammal;
                                                                                                                                                           New B7-like polypeptides, polymuclectides and their modulators, useful for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5' PCR primer for GDNFR-gammal cDNA encoding the full length protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    present sequence represents the coding sequence of mouse B7-\hat{L}_-m1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2.0%; Score 23; DB 6; Length 1195;
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                                            Chute HT;
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                                            Sarmiento UM, Schultz HJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               455 CICCCGGATATITCCTGGGAGCT 477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         521 CICCCGGATATTTCCTGGGAGCT 543
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                                                                                                                                                                                                                                                                        Claim 1; Fig 5; 135pp; English
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Best Local Similarity
                                                                                                WPI; 2002-130881/17.
(AMGE-) AMGEN INC.
                                                                                                                          P-PSDB; AAU75544.
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                                                   Welcher AA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mouse, B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatological; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic;
                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL3611), expressed DNA sequences (ABL16175) and the encoded proteins (ABB57737-ABB72072). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                         New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell interactions.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 59967 BP; 17305 A; 12463 C; 12291 G; 17908 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                            Claim 1; SEQ ID NO 40958; 21pp + Sequence Listing; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. 0.26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA encoding mouse B7-like protein, B7-L_m1.
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                                                                                                                                       Myers EW;
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28-NOV-2000; 2000US-00729264.
                                                                                                                                         PWD,
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               23-MAR-2000; 2000US-0191637P.
                                    11-JUL-2000; 2000US-00614150
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/*tag= a
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Best Local Similarity 100...
Pest Local 24; Conservative
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                                                                                                                                         Venter JC, Adams M,
                                                                                                                                                                                             WPI; 2001-656860/75
                                                                                        (PEKE ) PE CORP NY
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RESULT 12 ABK13032

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New isolated glial cell derived neurotrophic factor receptors - used to develop products for treating e.g. neurodegenerative disorders, schizophrenia, hypertension, tumours, renal disorders, kidney failure or
Parkinson's disease; schizophrenia; insomnia; tardive dyskenisia; hypertension; pituitary adenomas; hyperprolactinemia; thyroid tumour; renal disorder; kidney failure; gut dysfunction; regeneration; cardiomyocyte; epithelium; hepatocyte; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ni J, Hsu T, Young P, Gentz RL, Ruben SM;
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                                                                                                                                                                                                                                             Homo sapiens.
                                                                                                                                                                                                                                                                                                                   WO9853069-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27-JUN-1997;
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Example 6; Page 68; 156pp; English.

PCR primers AAV99359-60 were used to amplify cDNA encoding the full length protein of a glial cell line-derived neurotrophic factor receptor gamma 1 (GDNRR-gammal). The amplified product was subsequently cloned and atprayessed in Baculovirus. GDNRF-beta shares high homology with Cloned and alpha, which is capable of complexing with glial cell line-derived neurotrophic factor (GDNF) and mediating cell response to GDNF. The GDNFR with decreased activity of the respective polypeptides. They can be used for treating neurodegenerative diseases such as amyotrophic lateral dyskenisia, Parkinson's disease, schizophrenia, insomnia, tardive tumour, renal disorders, kidney failure, gut dysfunction, or for tregeneration of cardiomyocytes, epithalium or hepatocytes. Antagonists of the cardiomyocytes, epithalium or hepatocytes. Antagonists of the cardiomyocytes, epithalium or hepatocytes. Antagonists of the polypeptides can be used for treating disorders associated with increased activity of the respective polypeptides. The products can also be used for detection, diagnosis and drug screening

Sequence 141 BP; 19 A; 60 C; 38 G; 24 T; 0 U; 0 Other;

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Score 22; DB 2; Length 141;
Pred. No. 2.3;
                            0; Indels
Match
Local Similarity 100.0%; Pred. No. 2.3
                                                  801 GCTGCTGCTGCTGCCGCCGTCG 822
                                                                   69 GCTGCTGCTGCTGCCGCCGTCG 90
Query Match
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Matches
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Gaps . 0

> ABN99162 standard; DNA; 767 BP. RESULT 14 ABN99162

01-AUG-2002 (first entry)

Arabidopsis thaliana expressed polynucleotide SEQ ID NO 930.

Arabidopsis thaliana; plant; insecticide; fungicide; transgenic; stress; disease; crop; thale cress; tolerance factor; insect; pathogen; nutrition; ds.

Arabidopsis thaliana.

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26-JAN-2001; 2001US-00770445.
                        27-JAN-2000; 2000US-0178472P.
                                   AN Y.
HAMILTON C M.
                                                                LEDFORD B L. WOESSNER J P.
                                                     RAMEAKA J G.
                                          PRICE J L.
RAINES T M.
                                                                       HAAS W D.
GARCIA C A.
                                                            MATHEW A V.
                                                                                 SLATER T.
DAVIS K R.
ALLEN K.
                                GORLACH J.
                                                                              KRICKER M.
                                                                                            HOFFMAN N.
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    US2002023281-A1.
                                                        PAGE A.
           21-FEB-2002,
                                             (RAIN/)
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(GARC/)
(KRIC/)
(SLAT/)
(DAVI/)
(ALLE/)
(HOFF/)
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Yu Y. Thaas WD, Price JL, Raines TM, Yu Y; Ledford BL, Woessner JP, Haas W , Davis KR, Allen K, Hoffman N; Gorlach J, An Y, Hamilton CM, Pr Rameaka JG, Page A, Mathew AV, I Garcia CA, Kricker M, Slater T, WPI; 2002-403163/43. Hurban P;

New Arabidopsis thaliana nucleic acid for identifying homologous genes, producing compositions that modulate the expression or function of its encoded protein, and mapping functional regions of protein.

Claim 1; SEQ ID NO 930; 49pp + Sequence Listing; English.

The invention relates to an Arabidopsis thaliana nucleic acid (I) comprising a sequence capable of hybridising under stringent conditions comprising a sequence sabeted from any one of 999 sequences (ABNO9231-ABNO9231), given in the specification or its fragment. A polypeptide (II) encoded by given in the specification or its fragment. A polypeptide (II) encoded by (I), a transgenic plant (II) comprising an exogenous nucleic acid or a cycle of the cycle of the september of the second or a useful in identifying homologous or related genes, in producing compositions that modulate the expression or function of its encoded protein, mapping functional regions of the protein and in studying compositions that wouldate the expression or function of its encoded protein, mapping functional regions of the protein and in studying compositions that wouldate the expression or function of its encoded associated physiological pathways. (I) is also useful for the genetic associated physiological pathways. (I) is also useful in stream that care best capable of withstanding a particular disease or environmental care best capable of withstanding a particular disease or environmental cares or pathways. (II) and (III) are useful in improved methods of treating crops to pathways. The screened agents are useful in improved methods of treating crops to programs to identify agents that mimic or enhance the action of tolerance companee their tolerance to environmental stress. (II) is also useful for chance their tolerance to environmental stress. (II) is useful for identifying other mediators that may induce companee their tolerance to environmental stress. (II) is useful for identifying other mediators that may induce the any specific insect and/or pathogen is responsible for damage to a conficular plant, for identifying other mediators that enhance to environmental stress. (II) encompanied or inhibitions of interest, for establishing the extent to which particular plant, for identifying productions of nutritional, commercial or medicina

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This sequence encodes a novel glial cell line-derived neurotrophic factor alpha-3 receptor (GDNF alpha-3). This protein can be used to treat e.g. neurodegenerative diseases (such as Parkinson's Disease, amyotrophic lateral sclerosis (ALS), spinal muscular atrophy (SMA), Huntington's Disease, Alzheimer's Disease, diabetic neuropachy), muscular diseases (including the muscular dystrophies) and nerve and muscle trauma and in diagnostic assays for such conditions
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New factor alpha 3 receptor polypeptide and e.g. DNA and agonists - used to treat neuro degenerative diseases, muscular diseases and nerve and muscle trauma and in diagnostic assays.
that may affect the biological function of the gene or gene products. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from USPTO at seqdata.uspto.gov/sequence.html?DocID=999909770445.
                                                                                                                                                                                                                                                                                                                                                                                                                                Glial cell line-derived neurotrophic factor alpha-3 receptor; GDNF; treatment; neurodegenerative disease; Parkinson's Disease; ALS; SWA; amyotrophic lateral sclerosis; spinal muscular atrophy; nerve; trauma; Huntington's Disease; Alzheimer's Disease; diabetic neuropathy; muscle;
                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /product= "GDNF alpha-3"
/note= "partial sequence of glial cell-derived
neurotrophic factor alpha-3 receptor"
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                                                                                                                     Query Match
1.9%; Score 22; DB 6; Length 767;
Best Local Similarity 100.0%; Pred. No. 2.4;
Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                      Sequence 767 BP; 169 A; 199 C; 147 G; 252 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                       Human GDNF alpha-3 receptor cDNA #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      muscular dystrophy; diagnostic; ss.
                                                                                                                                                                                         814 CCGCCGTCGTTGTTGTGCTGC 835
                                                                                                                                                                                                                         693
                                                                                                                                                                                                                                                                                                         AAV35364 standard; cDNA; 1200 BP
                                                                                                                                                                                                          672 ccgccgrcgrrgrrgrggcrgc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 9; Fig 1; 22pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   96GB-00024677.
97GB-00009463.
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P-PSDB; AAW65116.
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09-MAY-1997;
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100.0%; Pred. No. 2.4;
tive 0; Mismatches
                             22; Conservative
               Best Local Similarity
Matches 22; Conserv
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801 GCTGCTGCTGCTGCCGTCG 822 à g Search completed: September 14, 2004, 23:41:48 Job time: 502.037 Becs

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ADDRESSEE: Biogen, Inc.
STREET: 14 Cambridge Center
CITY: Cambridge
STATE: MA
COUNTRY: USA
ZIP: 02142
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LENGTH: 1203
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Sequence 12897, A
Sequence 12897, A
Sequence 12735, A
Sequence 3, Appli
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2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
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5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                  Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                         Searched:
                                                                                                                                            Run on:
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60, Appli
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4904, Ap
2, Appli
21, Appl
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                                                                                                                                                                                                                                               Sequence 65, Application US/09220528A

Sequence 65, Application US/09220528A

Sequence 65, Application US/09220528A

GENERAL INFORMATION:

APPLICANT: Milbrandt, Jeffrey D.

APPLICANT: Baloh, Robert H.

TILE REFERENCE: 6029-7998

CURRENT APPLICATION NUMBER: US/09/220,528A

CURRENT FILING DATE: 1998-12-24

BEALIER APPLICATION NUMBER: 60/108,148

BARLIER FILING DATE: 1998-11-22

EARLIER FILING DATE: 1998-11-22

BARLIER FILING DATE: 1998-11-22

BARLIER FILING DATE: 1998-11-22

BARLIER FILING DATE: 1998-11-12

BARLIER FILING DATE: 1998-09-29

NUMBER: OF SEQ ID NOS: 120
                                Sequence
Sequence
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Patent No. 6677135
GENERAL INFORMATION:
APPLICANT: BIOGEN, INC.
TITLE OF INVENTION: and Renal Growth
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.9%; Score 22; DB 3; Length 1203;
100.0%; Pred. No. 0.2;
ive 0; Mismatches 0; Indels
        US-08-447-500-55
US-08-453-866-5
US-08-453-866-5
US-08-153-866-5
US-09-620-312D-908
US-09-491-522-6
US-09-146-249A-60
US-09-146-249A-60
US-09-146-249A-4904
US-09-19-060-12
US-09-19-060-12
US-09-919-060-14
US-09-919-060-14
US-09-912-546-1
US-09-912-546-1
US-09-912-546-1
US-09-912-546-1
US-09-110-60-14
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100.0%; Pre-
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Best Local Similarity 100.(
Matches 22; Conservative
 ORGANISM: Homo sapiens
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RESULT 5
US-09-489-039A-3243/C
US-09-489-039A-3243, Application US/09489039A
; Sequence 3243, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
    APPLICANT: Gary Beton et. al
    APPLICANT: Gary Beton et. al
    TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAFEUTICS
; FILLE REFRENCE: 2709.204001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 1099-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR PILLING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 3243
                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Greenspan, Ralph J.
APPLICANT: Greenspan, Ralph J.
TITLE OF INVENTION: Methods for Identifying Compounds for
TITLE OF INVENTION: Methods for Identifying cand other Disorders Related 1
TITLE OF INVENTION: Methods for Identifying Compounds for
TITLE OF INVENTION: Methods for Identifying Compounds for Interpretation of Gravity
FILE REFERENCE: P-NI 3864 US/09/669,751
CURRENT APPLICATION NUMBER: US 60/168,579
PRIOR FILING DATE: 1999-12-02
FILE REFERENCE: 1999-12-02
FILE REFERENCE: SEQ ID NOS: 261
SOFTWARE: FastSEQ for Windows Version 4.0
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         Length 3942;
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Pred. No. 0.64;
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         Score 22; DB 3;
Pred. No. 0.22;
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100.0%; Pred. No. v.
0; Mismatches
                                                           Mismatches
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; Sequence 16752, Application US/09621976
; Patent No. 6639063
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Patent No. 6551575
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1.9%; Scc.
100.0%; Pre
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CRGANISM: Klebsiella pneumoniae
US-09-489-039A-3243
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Matches 21; Conservative
                                                             Conservative
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                                  Best_Local Similarity
Matches 22; Conserv
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US-09-669-751-128/c
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LENGTH: 550
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                   Query Match
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Sequence 19, Application US/09162484

Patent No. 6248724

GENERAL INFORMATION:
APPLICANT: Phillips, M. Ian
APPLICANT: Phillips, M. Ian
TITLE OF INVENTION: ANTISENES CLIGONUCLEOTIDE COMPOSITIONS TARGETED TO
TITLE OF INVENTION: ANTISENES CLIGONUCLEOTIDE COMPOSITIONS TARGETED TO
TITLE OF INVENTION: ANGIOTENSIN CONVERTING ENZYME MRNA AND METHODS OF USE
FILE REPERBANCE: UPLA:087/UFLA087P
CURRENT APPLICATION NUMBER: US/09/162,484
CURRENT APPLICATION NUMBER: 60/059,661
EARLIER FILING DATE: 1997-09-25

NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compartible
COMPUTER: IEM PC compartible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
RIBLICATION NUMBER: US/09/187,906
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.9%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.2 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Kaplan, Warren A.
REGISTRATION NUMBER: 34,199
REFERENCE/DOCKET NUMBER: A008 PCT CIP
TELECOMUNICATION INFORMATION:
TELEPHONE: 617-679-2838
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                    CLASSIFICATION:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/07726
FILING DATE: 07-MAY-97
APPLICATION NUMBER: US 60/017,427
FILING DATE: 08-MAY-96
PRIOR APPLICATION NUMBER: US 60/019,300
FILING DATE: 07-JUN-96
PRIOR APPLICATION NUMBER: US 60/021,859
FILING DATE: 16-JUL-96
PRIOR APPLICATION NUMBER: US 60/021,859
FILING DATE: 16-JUL-96
PRIOR APPLICATION NUMBER: US 60/043,533
FILING DATE: 10-APR-97
ATTORNEY/AGENT INFORMATION:
NAME: KAPJAIN WARTEN A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           225 gergergergergecegeege 246
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STRANDEDNESS: single
                                  COMPUTER READABLE FORM:
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; ORGANISM: Pseudomonas aeruginosa US-09-252-991A-12897
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LOCATION: 1415
OTHER INFORMATION: unknown
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LOCATION: 1421
OTHER INFORMATION: unknown
NAME/KEY: unsure
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ORGANISM: Homo sapiens
                                                                                               Best_Local Similarity
Matches 20; Conserv
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OTHER INFORMATION:
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                                                                            Query Match
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APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
CURRENT APPLICATION NUMBER: U$/09/252,991A
PRIOR APPLICATION NUMBER: U$ 60/074,788
PRIOR APPLICATION NUMBER: U$ 60/074,788
PRIOR PLING DATE: 1998-02-18
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 12897
LENGTH: 984
TYPE: DNA
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1.7%; Score 20; DB 4; Length 394;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.1;
ive 0; Mismatches 0; Indels
              APPLICANT: Obsert, S.
APPLICANT: Jobert, S.
APPLICANT: Jobert, S.
APPLICANT: Glordano, J.Y.
TITLE OF INVENTION: ESTS and Encoded Human Proteins.
FILE REFERENCE: GENSET: 054PR2
CURRENT APPLICANTION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 16752
LENGTH: 394
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Fatent No. 6639063
Fatent No. 6639063
Fatent No. 6639063
FAPLICANT: Unwas Mine Edwards, J.B.
APPLICANT: Jobert, S.
TITLE OF INVENTION: ESTE and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 16751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 12897, Application US/09252991A Patent No. 6551795
                                                                                                                                                                                                                                                                                                                                                                                                              810 GCTGCCGCCGTCGTTGT 829
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                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Homo sapiens
US-09-621-976-16752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
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Best Local Similarity
GENERAL INFORMATION:
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US-09-252-991A-12897
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Sequence 12735, Application US/09252991A

Sequence 12735, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:
APPLICATION: MARC J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 10196-02-18
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR PILING DATE: 1999-02-18
PRIOR FILING DATE: 1998-02-28
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 12735
LENGTH: 1857
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                                                                      Gaps
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APPLICANT: Madeline M. Butler
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ATSONISE MODULATION OF C/EBP BETA EXPRESSION
FILE REPERBACE: RTS-0116
CURRENT APPLICATION NUMBER: US/09/593,711A
UNMBER OF SEQ ID NOS: 244
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1.7%; Score 20; DB 4; Length 1857;
Best Local Similarity 100.0%; Pred. No. 2.3;
Matches 20; Conservative 0; Mismatches 0; Indels
                 Score 20; DB 4; Length 984; Pred. No. 2.2;
                                                                   0; Indels
1.7%; Scor.
100.0%; Pred. No. 2.
... 0; Mismatches
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                                                                                                         827 TGTGGCTGCAACTGCTGCTG 846
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Parent No. 6271030
GRIERAL INFORMATION:
APPLICANT: Brett P. Monia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA ORGANISM: Pseudomonas aeruginosa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: unknown NAME/KEY: unsure LOCATION: 1423
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OTHER INFORMATION: unknown

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Gaps
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Best Local Similarity 100.0%; Pred. No. 2.3;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: KUNIO NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
           Sequence 1, Application US/08012735
; Sequence 1, Application US/08012735
; Patent No. 5360894
; Patent No. 5360894
; APPLICANT: Kishimoto, Tadamitsu
APPLICANT: Akira, Shizuo
APPLICANT: Akira, Shizuo
APPLICANT: Aranabe, Osamu
APPLICANT: Isahiki, Hiroshi
APPLICANT: Kinoshita, Shigemi
APPLICANT: Kinoshita, Shigemi
APPLICANT: Shimamoto, Takuya
; TITLE OF INVENTION: C/EBP2 Gene and Recombinant
; TITLE OF INVENTION: C/EBP2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrue: W:
ADDRESSEE: Sughrue: W:
                                                                                                                                                                                                                                                                                    ADDRESSEE: Seas
STREET: 2100 Pennsylvania Avenue, N.W.
CITY: Washington
                                                                                                                                                                                                                                                                                                                            COUNTRY: United States
ZIP: D.C.
COUNTRY: United States
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: The PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/012,735
FILING DATE: 19930203
CLASSIFFCATION: 435
PRICA APPLICATION DATA:
APPLICATION NUMBER: US/07/601,094
FILING DATE: 22 OCT 1990
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (202) 293-7860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 13
US-08-864-038A-1
'S-Gquence 1, Application US/08864038A
', Patent No. 6001592
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 6491103
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1914 base pairs
TYPE: NUCLEIC ACID
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LOCATION: 281..1316
OTHER INFORMATION:
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Best Local Similarity 100.0%; Pred. No. 2.3;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                  Query Match
Best Local Similarity 100.0%; Pred. No. 2.3;
Matches 20; Conservative 0; Mismatches 0; Indels
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single
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LOCATION: 281..1316
OTHER INFORMATION:
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US-07-601-094-1/c
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GENERAL INFORMATION:
APPLICANT: Kunio NAKASHIMA et al.
APPLICANT: Kunio NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
TITLE OF INVENTION: TO SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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100.0%; Pred. No. 2.3;
ive 0; Mismatches 0; Indels
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MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: from 1 to 3331
IDENTIFICATION METHOD: E (by experiment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SYSTEM: Microsoft Windows 95
Word Perfect 6.1
                                                                         US/08/864,038A
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APPLICATION NUMBER: 00, 1997
FILING DATE: May 28, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 8-184459
FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION:
NAME: C. Bruce Hamburg
NAME: C. WINNER: 22,389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US/08/864,038A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Pinctada fucata
CELL TYPE: mantle epithelial cell
                                                                                                                                             JP 8-184459
                                                                                                                                                                                                                                                                   F-5610
                                                                                   FILING DATE: May 28, 1997
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: JP 8-18445
FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION:
NAME: C. Bruce Hamburg
REGISTRATION NUMBER: 22,389
REFERENCE/DOCKET NUMBER: F-561
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CDNA to mRNA
                                                                                                                                                                                                                                                                                                  TELEPHONE: (212) 986-234
TELEFAX: (212) 953-7733
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.0
Matches 20, Conservative
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                                           CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
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CITY: Tau-city
STATE: Mie-prefecture
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STRANDEDNESS: doub
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ORIGINAL SOURCE:
ORGANISM: Pinct
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US-08-864-038A-4
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       CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID VECTOR, POLYEBPTIDE PRODUCED THEREBY, METHOD OF PRODUCING SAID POLYEBPTIDE, DNA ENCODING SAID POLYEBPTIDE AND ANTIBODY TO SAID POLYEBPTIDE
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TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THERBY, METHOD OF PRODUCING
TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
TITLE OF INVENTION: TO SAID POLYPEPTIDE
NUMBER OF SEQUENCES: 4
OURRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage COMPUTER: IBM Compatible OPERATING SYSTEM: Microsoft Windows 95 SOFTWARE: Word Perfect 6.1

CURRENT APPLICATION NUMBER: US/08/864,038A
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                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/864,038A FILING DATE: Way 28, 1997
PRIOR APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: UP 8-184459 FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION: NAME: C. Bruce Hamburg REGISTRATION NUMBER: 22,389
REFERENCE/DOCKET NUMBER: F-5610
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CELL TYPE: mantle epithelial cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  800 CGCTGCTGCTGCCGCCG 819
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 2, Application US/08864038A Patent No. 6001592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   855 cácrácrácrácráccaca 874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pinctada fucata
                                                                                                                                           ADDRESSEE: 812-5 Hirano
STREET: Isshinden
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (212)986-234
TELEFAX: (212)953-7733
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
TITLE OF INVENTION: CONTITLE OF INVENTION: VECT TITLE OF INVENTION: SAID TITLE OF INVENTION: TO S NUMBER OF SEQUENCES: 4 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                    CITY: Tsu-city
STATE: Mie-prefecture
COUNTRY: JAPAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Tsu-city
STATE: Mie-prefecture
COUNTRY: JAPAN
ZIP: 514-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
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APPLICANT: Kunio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORIGINAL SOURCE:
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US-08-864-038A-2
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TELEPHONE: (212)986-2340

TELEFAX: (212)986-2340

TELEFAX: (212)553-7733

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 3331

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
NOLECULE TYPE: cDNA to mRNA
ORGANISM: Pinctada fucata
ORGANISM: Pinctada fucata
ORGANISM: Pinctada fucata
ORGANISM: Pinctada fucata
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ORGANISM: Pinctada fucata
ORGANISM: Pinctada fuca
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Sequence 58, Appl Sequence 4945, Ap Sequence 5855, Ap Sequence 970, App Sequence 971, App

3 US-10-087-192-185 3 US-10-087-192-184 3 US-00-823-245A-58 US-09-983-955-4945 US-09-918-955-5855 7 US-10-430-201-971 7 US-10-430-201-971 7 US-10-430-201-971 8 US-10-625-144-20418 3 US-10-027-632-150405 5 US-10-120-988-90 1 US-10-120-988-90 1 US-10-425-114-19266 1 US-10-425-114-19266 1 US-10-425-114-19266 1 US-10-425-114-19266 1 US-10-425-114-19266 1 US-10-425-114-19266 1 US-10-425-114-19266 1 US-10-425-114-19267 1 US-10-425-114-19267 1 US-10-425-114-19267 1 US-10-425-114-19267 1 US-10-437-963-37464 US-10-437-963-37464 US-10-156-761-387-9

Sequence 184, App Sequence 55684, A

Sequence 5378, Ap Sequence 150405, Sequence 150405, Sequence 150405, Sequence 19266, A Sequence 19266, A Sequence 37464, A Sequence 37464, A Sequence 11, Applisequence 1, Applisequence 1, Applisequence 1, Applisequence 1, Applisequence 16, Applisequence 16, Applisequence 16, Applisequence 16, Applisequence 16, Applisequence 16, Applisequence 246, Applisequence 246, Applisequence 246, Applisequence 246, Applisequence 246, Applisequence 246, Applisequence 246, Applisequence 246, Applisequence 246, Applisequence 246, Applisequence 31, Applisequence

US-09-789-836-1 US-09-789-831-1 US-10-415-325-18 US-10-146-733-14 US-10-257-022-30 US-10-108-605-246 US-10-108-605-246

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Sequence 42, Appl Sequence 261, App Sequence 1, Appli

US-09-801-260-3 US-10-145-586-42 US-10-120-988-261 US-09-801-260-1

ALIGNMENTS

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91 AGICCIGAAGGCICCCAGGCICGCIICAACIGCACCGICTCCCAGGGCIGGAAGCICAI 150
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TITLE OF INVENTION: No. US20030236392Alel full length cDNA
TITLE OF INVENTION: No. US20030236392Alel
CURRENT APPLICATION NUMBER: US/10/104,047
CURRENT FILING DATE: 2002-03-25
PRIOR PELICATION NUMBER:
PRIOR FILING DATE:
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: Patentin Ver. 2.1
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Publication No. US20030236392A1
GENERAL INFORMATION:
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Best Local Similarity 99.8
Matches 1076; Conservative
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Sequence 28842, A
Sequence 20, Appl
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US-09-770-445-930

US-09-220-920-65

US-09-220-920-65

US-09-828-366-15

US-10-152-3194-1498

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NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3342
LENGTH: 474
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; OTHER INFORMATION: n = A,T,C or
US-09-918-995-3342
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Best Local Similarity 99.6%;
Matches 267; Conservative
                                                               TYPE: DNA ORGANISM: Homo sapiens
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CATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCG
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TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS cDNA LIBRARIES
FILE REFERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT APPLICATION NUMBER: US/09/235,076
PRIOR APPLICATION NUMBER: US/09/235,076
PRIOR FILING DATE: 1999-01-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 3342, Application US/09918995
Publication No. US20030073623A1
GENERAL INFORMATION:
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GENERAL INFORMATION:
APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Acomica X-1
CURRENT APPLICATION WUMBER: US/09/864,761
CURRENT RILING DATE: 2000-02-03-23
FRIOR APPLICATION WUMBER: US/09/864,761
CURRENT FILING DATE: 2000-02-26
PRIOR APPLICATION WUMBER: US/09/864,761
CURRENT FILING DATE: 2000-02-04-26
PRIOR PILING DATE: 2000-08-03
PRIOR PLILNG DATE: 2000-08-03
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PRIOR PLILNG DATE: 2001-01-30
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PRIOR PLILNG DATE: 2001-01-30
                                                          ; Sequence 16305, Application US/09864761
; Patent No. US20020048763A1
RESULT 3
US-09-864-761-16305
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Sequence 81852, Application US/10437963
; Publication No. US20040123343A1
; Bublication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Cao, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Brabazuk, Brad
; APPLICANT: Brabazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REPERBENCE: 30-21(33221)8
; CURRENT FILING DATE: 2003-05-14
; NO 91952
; NUMBER OF SEC ID NOS: 204966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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               FRIOR APPLICATION NUMBER: 2011-01-30
PRIOR FILLING DATE: 2001-01-30
PRIOR PILLING DATE: 2001-01-30
PRIOR PILLING DATE: 2001-01-30
PRIOR PILLING DATE: 2001-01-30
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PRIOR PILLING DATE: 2001-01-30
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OTHER INFORMATION: MAP TO AF064857.1
FORTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 0.93
US-09-864-761-16653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Clone ID: PAT_MRT4530_81337C.1
US-10-437-963-81852
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ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 23; Conserval
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US-10-437-963-81852/c
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APPLICANT: Penn, Sharron G.
APPLICANT: Penn, Sharron G.
APPLICANT: Hanzel, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wenshen
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REPERENCE: Acond.ca-X.1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2000-02-03
PRIOR FILING DATE: 2000-02-04
PRIOR PLING DATE: 2000-02-04
PRIOR PLING DATE: 2000-08-03
PRIOR FILING DATE: 2000-08-03
PRIOR FILING DATE: 2000-08-03
PRIOR PLING DATE: 2000-08-03
PRIOR PLING DATE: 2000-08-03
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PRIOR PLING DATE: 2000-08-03
PRIOR PLING DATE: 2000-09-03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          104 TCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGGCTCTC 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              164 AGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCACCAATGACCGCTTC 223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              44 GGTTCTGGGTCTGGTAATGAAGTCATAGAAGGCCCCCAAAATGCAAGAGTCCTGAAGGGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
OTHER INFORMATION: MAP TO AF121782.1
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
               PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00662
PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR PLING DATE: 2000-06-30
PRIOR PLING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SEQ ID NO 1605
LENGTH: 401
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APPLICATION NUMBER: PCT/US01/00666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00663
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Patent No. US20020048763A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Homo sapiens
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Sequence 15, Application US/09828366

Sequence 15, Application US/09828366

Patent No. US20020010137A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.

APPLICANT: Goddard, Audrey

APPLICANT: Gurney, Austin L.

APPLICANT: Klein, Robert D.

APPLICANT: Walliam I.

APPLICANT: Yuan, Jean

ITILE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC

ITILE OF INVENTION: CELL GROWTH

FILE OF INVENTION: CELL GROWTH

FILE OF INVENTION: USAMBER: US/09/828,366

CURRENT FILING DATE: 2001-04-05
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100.0%; Pred. No. 1.6;
iive 0; Mismatches 0; Indels
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NUMBER OF SEQ ID NOS: 29
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APPLICANT: Derter, Mark
APPLICANT: Johnson, Kory
APPLICANT: Gastle, Arthur
APPLICANT: Castle, Arthur
APPLICANT: Castle, Arthur
APPLICANT: Elashoff, Michael
TITLE OF INVENTION: Molecular Toxicology Modeling
TITLE OF INVENTION: Molecular Toxicology Modeling
FILE REPERBOGE: 44921-5089-US
CURRENT APPLICATION NUMBER: US/10/152,319A
CURRENT PILING DATE: 2001-05-22
PRIOR PILING DATE: 2001-05-22
PRIOR PILING DATE: 2001-06-13
PRIOR APPLICATION NUMBER: US 60/297,523
PRIOR APPLICATION NUMBER: US 60/299,925
PRIOR PILING DATE: 2001-06-13
PRIOR FILING DATE: 2001-06-19
PRIOR FILING DATE: 2001-06-19
PRIOR FILING DATE: 2001-06-19
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CENERAL INFORMATION:
APPLICANT: Mendrick, Donna
APPLICANT: Porter, Mark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              88 GCTGCTGCTGCTGCCGCCGTCG 109
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Best Local Similarity 100.
Matches 22; Conservative
                                              TYPE: DNA
CORGANISM: Homo sapiens
US-09-220-920-65
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ORGANISM: Homo Sapien
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US-10-152-319A-1498
                         LENGTH: 1203
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SEQ ID NO 65
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Sequence 65, Application US/09220920

Fatent No. US2002002269A1

GENERAL INFORMATION:

APPLICANT: Baloh, Robert H.

TITLE OF INVENTION: Artemin, A No. US2002002269Aiel Neurotrophic Factor

FILE REFERENCE: 6029-7996

CURRENT APPLICATION NUMBER: US/09/220,920

CURRENT APPLICATION NUMBER: US/09/220,920

CURRENT APPLICATION NUMBER: 09/163,283

EARLIER APPLICATION NUMBER: 09/163,283

EARLIER PILING DATE: 1998-11-12

EARLIER APPLICATION NUMBER: 09/163,283

EARLIER PILING DATE: 1998-11-12

EARLIER PILING DATE: 1998-11-22

EARLIER APPLICATION NUMBER: 09/218,698

EARLIER PILING DATE: 1998-12-22

NUMBER OF SEQ ID NOS: 120

NUMBER: OSETWARE: Patentin Ver. 2.0
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TITLE OF INVENTION: Expressed Sequences of Arabidopsis
TITLE OF INVENTION: thaliana
FILE REFERENCE: 2023US (PARA-012PRV)
CURRENT APPLICATION NUMBER: US/09/770,445
CURRENT FILING DATE: 2001-01-26
PRIOR PAPLICATION NUMBER: US 60/178,472
PRIOR FILING DATE: 2000-01-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 1.9%; Score 22; DB 9; Best Local Similarity 100.0%; Pred. No. 1.6; Matches 22; Conservative 0; Mismatches
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SOFTWARE: FastSEQ for Windows Version 4.0
                       800 CGCTGCTGCTGCTGCCGTCG 822
                                                                     156 decrecrecrecrececedares 134
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                                                                                                                                                                                        ; Sequence 930, Application US/09770445; Patent No. US20020023281A1; GENERAL INFORMATION: Gerlach, Jorn
                                                                                                                                                                                                                                                                                                                                                                                                                                     Page, Amy
Matthew, Abraham V.
Ledford, Brooke L.
Woessner, Jeffrey P.
Haas, William David
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An, Yong-Qiang
Hamilton, Carol M.
Price, Jennifer L.
Raines, Tracy M.
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Rameaka, Joshua G.
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Slader, Ted
Davis, Keith R.
Allen, Keith
Hoffman, Neil
Hurban, Patrick
                                                                                                                                               RESULT 6
US-09-770-445-930
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LENGTH: 767
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Gaps

us-09-729-264-3.olig.rnpb

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RESULT 13
US-10-761-28842/C
10-761-701-28842/C
Sequence 28842, Application US/10767701
Sequence 28842, Application US/0040175684A1
GENERAL INFORMATION:
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Cao, Yongwei
TILLE OF INVENTION: Wucleic Acid Molecules and Other Molecules Associated With
TILLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
FILE REFERENCE: 38-21(53535)B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Methods for Identifying Compounds for TITLE OF INVENTION: Methods for Identifying Compounds for TITLE OF INVENTION: Motion Sickness, Vertigo and Other Disorders Related to TITLE OF INVENTION: Motion Sickness, Vertigo and Other Disorders Related to TITLE OF INVENTION: Malance and the Perception of Gravity FILE REFERENCE: P-NI 3864
CURRENT APPLICATION NUMBER: US/09/669,751
PRIOR FILING DATE: 2000-09-26
PRIOR FILING DATE: 1999-12-02
NUMBER OF SEQ ID NOS: 261
SOFTWARE: FastSEQ for Windows Version 4.0
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1.8%; Score 21; DB 10; Length 493;
Best Local Similarity 100.0%; Pred. No. 5.2;
Matches 21; Conservative 0; Mismatches 0; Indels
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                  TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED TITLE OF INVENTION: FROM VARIOUS cDNA LIBRARIES FILE REPERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
PRIOR PELLING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FASISEQ FOR WINDOWS VERSION 3.0
SEQ ID NO 11051
LENGTH: 493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , Sequence 128, Application US/10255336
; Publication No. US20030087807A1
; GENERAL INFORMATION:
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; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-11051
                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
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APPLICANT: La Rosa, Thomas J.
APPLICANT: La Rosa, Thomas J.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Weiv
APPLICANT: Wu, Weiv
APPLICANT: Buckharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Sarbazuk, Brad
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Nouncleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5321)B
CURRENT APPLICATION UNDER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
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               PRIOR FILING DATE: 2001-07-10
PRIOR PLILING DATE: 2001-07-10
PRIOR PLILING DATE: 2001-07-10
PRIOR PLILING DATE: 2001-07-10
PRIOR PLILING DATE: 2001-08-28
PRIOR PLILING DATE: 2001-08-28
PRIOR PLILING DATE: 2001-09-27
PRIOR PLILING DATE: 2001-09-27
PRIOR PLILING DATE: 2001-11-01
PRIOR PLILING DATE: 2001-11-01
PRIOR PLILING DATE: 2001-11-01
PRIOR PLILING DATE: 2001-11-01
PRIOR PLILING DATE: 2001-10-22
Remaining Prior Application data removed - See File Wrapper or PALM.
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1498
LENGTH: 4142
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100.0%; Pred. No. 1.6;
ative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Genbank Accession No. NM_012544 US-10-152-319A-1498
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US-10-437-963-41506
PRIOR APPLICATION NUMBER: US 60/303,807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-437-963-41506/c

'Sequence 41506, Application US/10437963

; Publication No. US20040123343A1

; GENERAL INFORMATION:
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'Sequence 11051, Application US/09918995

; Publication No. US20030073623A1

; GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 22; Conservative
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LENGTH: 462
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Query Match
1.8%; Score 21; DB 10; Length 1558;
Best Local Similarity 100.0%; Pred. No. 5.2;
Matches 21; Conservative 0; Mismatches 0; Indels
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APPLICANT: Engelhard, Eric K.

TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR TITLE OF INVENTION: CANCER.

TITLE OF INVENTION: CANCER.

FILE REFERENCE: 529452000122.

CURRENT FILING DATE: 2002-03-01.

PRIOR APPLICATION NUMBER: US 09/747,377.

PRIOR FILING DATE: 2000-12-22.

PRIOR FILING DATE: 2001-03-02.

NUMBER OF SEQ ID NOS: 2059.

NUMBER OF SEQ ID NOS: 2059.

SEQ ID NO 185

LENGTH: 3362.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: modified_base
LOCATION: (1423)
OTHER INFORMATION: a, t, c, g, other or unknown
g, other or unknown
                                                                                                                                                LOCATION: (1243) -
OTHER INFORMATION: a, t, c, g, other or unknown
                                                                                                                                                                                                                                   LOCATION: (1343) --
OTHER INFORMATION: a, t, c, g, other or unknown
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OTHER INFORMATION: a, t, c, g, other or unknown
                                                                                     c, g, other or unknown
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100.0%; Pred. No. 5...
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LOCATION: (1346)
OTHER INFORMATION: a, t, c,
    OTHER INFORMATION: a, t, c,
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                                                                 LOCATION: (1146)
OTHER INFORMATION: a, t,
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                            FEATURE:
NAME/KEY: modified_base
                                                                                                         FEATURE: NAME/KEY: modified_base
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Best Local Similarity
Matches 21; Conserva
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APPLICANT: SCHAFER, REINHARD
APPLICANT: SCHAFER, DLEBR, OLDEBR, OLDEBR, OLDEBR, OLDEBR, OLDEBR, APPLICANT: TCHE-NITSE, OLDEG
APPLICANT: GRIPS, MARTIN
APPLICANT: SCHMITZ, ANNE-CHANTAL
APPLICANT: SERS, CHRISTINE
APPLICANT: SERS, CHRISTINE
TITLE OF INVENTION: DETECTION OF DIFFERENTIAL GENE EXPRESSIONS
                                                                                                                                                                                                                                 Query Match 1.8%; Score 21; DB 17; Length 602; Best Local Similarity 100.0%; Pred. No. 5.2; Matches 21; Conservative 0; Mismatches 0; Indels
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CURRENT APPLICATION NUMBER: US/09/930,213
CURRENT FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: DE 10004102.7
PRIOR FILING DATE: 2000-01-31
NUMBER OF SEQ ID NOS: 885
SOFTWARE: PATENTIN VET. 2.1
  CURRENT APPLICATION NUMBER: US/10/767,701 CURRENT FILING DATE: 2004-01-29 NUMBER OF SEQ ID NOS: 63128 SEQ ID NO 28842 LENGTH: 602
                                                                                                                                                                      ; OTHER INFORMATION: Clone ID: 8088472
US-10-767-701-28842
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                                                                                                                                                                                                                                                                                                                                                              206 recrecrecrecececercer 186
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: ROSENTHAL, ANDRE APPLICANT: HINZMANN, BERND
                                                                                                           TYPE: DNA ORGANISM: Sorghum bicolor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (551)
OTHER INFORMATION: a, t,
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OTHER INFORMATION: a, t,
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AE003581 Drosc. AE003581 Drosc. AC108705 Homo sapi AE537215 Mus muscu PAT 18-MAR-2002 AC009814 Homo sapi AC004422 Drosophil AL160261 Homo sapi AL138767 Human DNA AC066191 Homo sapi AP003328 Oryza sat AP002843 Oryza sat AP001998 Homo sapi AC08821 Drosophil AC08831 Homo sapi AC08831 Homo sapi AC08831 Homo sapi AL133350 Human DNA AC099022 Drosophil Drosophil Human DNA Leishmani Pan trogl Pan trogl Homo sapi Homo sapi Pon trogl Anopheles Drosophil Homo sapi Homo sapi Leishmani Drosophil Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. Y14157 Drosophila AL096703 Human DNA Sequence Sequence Mus muscu AX380400 Sequence AX747579 Sequence Homo sap Homo sapi Sequence score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Description AL163280 RAL954228 BS000162 AF045450 AF064860 AF064857 AL954227 AB090820 AY119603 AL096703 AC09814 AC004422 AC020009 AL160261 AL138767 AP003328 C AP02843 C AP001998 H AC08321 L AC03321 F AL133350 F AC02022 AC02022 AC02023 H AC01033 H AC01033 H AC01033 H AC108135 1 AC105442 1 AC006387 1 AC010231 1 AC120145 N Welcher.A.A., Sarmiento,U.M., Schultz,H.J. and Chute,H.T. B7-like molecules and uses thereof Patent: WO 0200710-A 5 03-JAN-2002; AX380402 linear DNA ALIGNMENTS SUMMARIES AX380400 1240 bp Sequence 5 from Patent WO0200710. AX380400 AF064857 RP43002119 AB090820 AC020047 HSJ514B11 AF121782 HS21C080 HSJ735G18 AP003328 AP002843 AP001998 AP006437 AL139350 AC010932 AE001274 AY119603 AF045450 AF064860 CH179K04 AL138767 AC008321 AX380404 AC120145 AX380400.1 GI:19575330 DB Homo sapiens (human) 90.7 90.7 86.7 11.7 78.7 11.8 24.4 14.2 24.4 14.2 24.4 14.2 24.4 14.2 24.4 14.2 24.4 14.2 24.4 14.2 24.4 14.2 16.1 18.2 16.1 19.6 10.1 Length 1.9 111645 1.9 136746 1.9 1487625 1.9 161923 1.9 161923 1.9 161923 1.9 184554 1.9 206773 1.9 206773 1.9 206773 1.9 206773 1.9 206773 1.9 206773 1.9 206773 1.9 206773 1.9 12656 1.9 106256 1.9 124612 1.9 124612 1.9 124612 1.9 124612 55256 59693 77137 83876 94296 REFERENCE AUTHORS TITLE JOURNAL

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Isogai,T., Sugiyama,T., Otsuki,T., Wakamatsu,A., Sato,H., Ishii,S.,
Yamamoto,J.I., Isono,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R.,
Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and
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Patent: EP 1308459-A 1104 07-MAY-2003;
Helix Research Institute (JP); Research Association :
Biotechnology (JP)
Location/Qualifiers
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larity 100.0%; Pred. No. 0;
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Organism="Homo sapiens"
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	AF121782 142742 bp DNA linear Homo sapiens chromosome 21q22.3 PAC 206A10, compl AF121782. AF121782. GI:4210991 HTG. Homo sapiens (human) Homo sapiens (human) Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrat Mammalia; Eutheria; Primates; Catarrhini; Hominid 1 (bases 1 to 142742)	AUTHORS Taudien, S., Dagand, E., Hildmann, T., Nordsiek, G., Drescher, B., Schattevoy, R., Weber, J., Schilling, M., Menzel, U., Yaspo, M.L. and Rosenthal, A. TITLE Direct Submission	Biotechn	/mol_type="genomic_DNA" /db_xref="taxon:9606" /chronesome="11" /man="17" /ma	/ nuch = 19AC 206Al0" /repeat_region 3118 /evidence=not experimental	<pre>/rpt family="MIR" repeat_region complement(140415) /evidence=not_experimental /rpt family="WIT2E"</pre>		at_region 1	/rpt_family="MLTl" repeat_region 14811603 /evidence=not_experimental /rpt_familv="L2"	exon 15761710 /note="WZEF, score = 66.1\$" /evidence=not_experimental exon 15761710	at_region	/rpt_family="MIR" repeat_region complement(17802326) /evidence=not experimental /rrr family="Mirrl"	exon complement(18341955)
ORGANISM Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo. REFERENCE AUTHORS Welcher, A.A., Sarmiento, U.M., Schultz, H.J. and Chute, H.T. TITLE B7-like molecules and uses thereof JOURNAL Patent: WO 200710-A 7 03-JAN-2002; FEATURES Inc. (US) FORTURES Location/Qualifiers Location/Qualifiers Location/Qualifiers I 1139 Mmol Lype="unassigned DNA" CDS I 1134 CDS I 1134 CDS I 1134 I 1134 CDS I 1134 I 1134	/codon statt=1 /protein_id="CaD28219.1" /db_xref="Gi.19575333" /db_xref="Gi.19575333" /db_xref="Gi.19575333" /db_xref="Gi.19575333" /db_xref="Gi.19575333" /db_xref="Gi.19575333" /db_xref="Gi.19575333" /db_xref="Gi.19575333" /db_xref="Gi.19575333" /db_xref="Gi.19575333" /db_xref="Gi.19575333" /db_xref="Gi.1957533" /db_xref="Gi.1957533" /db_xref="Gi.1957533" /db_xref="Gi.197553" /db_xre	Query Match 59.6%; Score 739; DB 6; Length 1139; Best Local Similarity 99.9%; Pred. No. 0; Matches 789; Conservative 0; Mismatches 1; Indels 0;	163 AGTCCTGAAGGGCTCCCAGGCTCGCTTCACTGCTCTCTCT	223 CATGRESCITCICALISACATUSISGISGISGISGISGISGISGISGISGISGISGISGISG	OY 283 CANTGACCITCACCITCAGAGATACGACCAGGAGAGAALIICACCICGGAGAIGAI 342 [Qy 343 CATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCTCCAGAACAGTGG 402	OY 403 CCTGCATGGATCTGCTTACCTTACCGTCCAAGTTATGGGAGGCTGTTCATTCCCAGTGT 462	Qy 463 TAATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCTCACACTGGAC 522	QY 523 CCGGCTCCCCGGATAITICCTGGGAGCTCCTGGTCAGCCATTCAAGCTATTAITI 582 Db 444 CCGGCTCCCCGGATAITICCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATAITI 503	QY 583 TGTTCCGGAGCCCAGGGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAG 642 Db 504 TGTTCCGGAGCCCAGGGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAG 563	QY 643 CAAIGGGACTITGACITGCGIGGCIACCIGGAAGACCIGAAGGCCCCCAAGICIGCAAC 702	OY 703 IGTAAATCICACTGIGATTCGGIGICCCCAAGACACTGGAGGIGGIATTAAIATTCCAGG 762	, Qy 763 TGTATTATCAAGTTTACCGAGTTTAGGTTTTCATTGCCTACTTGGGGCAAAGTTGGACT 822

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* UKL: http://chrzl.rz-berlin.mpg.de/.
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               * e.mail: shimizu@dmb-med.keio.ac.jp
* URL: http://adenine.dmb.med.keio.ac.jp/
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

IE (bases 1 to 340000)
Battori,M., Fuliyama,A., Taylor,T.D., Watanabe,H., Yada,T., Pattori,M., Takagi,T., Sakaki,Y., Taudien,S., Blebschmidt,K., Soeda,E., Ohki,M., Takagi,T., Sakaki,Y., Taudien,S., Blebschmidt,K., Polley,A., Menzel Ju., Delabar,J., Kumpf,K., Lehmann,R., Schudy,A., Patterson,D., Reichwald,K., Rump,A., Schilhabel,M., Schudy,A., Asakawa,S., Shibuya,K., Kawasaki,K., Asakawa,S., Shituani,A., Sasaki,T., Nagamine,K., Mitsuyama,S., Antonarakis,S.B., Minoshima,S., Shimizu,N., Nordsiek,G., Hornischer,K., Brandt,P., Schaef,M., Schoen,O., Desario,A., Klages,S., Hennig,S., Riesselmann,L., Dagand,E., Wehrmeyer,S., Borzym,K., Saro, M. T., Nordsiek,G., Blocker,H., Reinhardt,R., Riesselmann,L., Dagand,E., Wehrmeyer,S., Borzym,K., Varon, M. T.
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Homo sapiens chromosome 21 segment HS21C080.
AL163280.2 GI:7717369
  Query Match 24.4%; Score 302; DB 9; Le Best Local Similarity 100.0%; Pred. No. 6.4e-168; Matches 302; Conservative 0; Mismatches 0;
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* e.mail: sakaki@gsc.riken.go.jp
* URL: http://hgp.gsc.riken.go.jp/
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Scharfe, M., Thies, S., Weber, K. and Bloecker, H.
Direct Submission
Submitted (03-UDN-2003) GBF, Dept. of Genome Analysis, Mascheroder
Weg 1, D-38124 Braunschweig, Germany, E-mail: info.genome@gbf.de
The Chimpanzee Chromosome 22 Sequencing Consortium consists of:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CHI/9K04 182532 bp DNA linear PRI 16-OCT-200
Pan troglodytes chromosome 22 BAC CH251-179K04, complete sequence.
AL954228
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Pan.
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100.0%; Pred. No. 6.9e-168;
iive 0; Mismatches 0;
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Center code: GBF
Web site: http://genome.gbf.de/
Contact: info.genome@gbf.de
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Matches 302; Conservative
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The PTB1 chimpanzee BAC library was prepared from DNA isolated from cultured cells established from the blood of a single male
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*Chinase National Human Genome Center at Shanghai, Shanghai, China;
*GBF, Dept. of Genome Analysis, Braunschweig, Germany; *Institute
of Molecular Biotechnology, Jena, Germany; *KIBB Genome Research
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                                     Submitted (15-MAY-2003) Naruya Saitou, National Institute of Genetics (NIG), Division of Population Genetics; 1111 Yata, Mishima, Shizuoka 411-8540, Japan (E-mail:nsaitou@genes.nig.ac.jp, URL:http://sayer.lab.nig.ac.jp/, Tel:81-55-981-6790, Fax:81-55-981-6789)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Neighboring clones: CH251-179K04(left) and PTB-103H04(right). Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 compressions and repeats; all regions were covered by at one
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               chimpanzee.
Clones may be obtained from Asao Fujiyama and co-workers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    an attempt was made to resolve all sequencing problems,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequencing vector: pUC118; 100% of reads
Chemistry: Dye-terminator Big Dye and dGTP; 100%
program: Phrap; version 0.990329
Consensus quality: 156,231 bases at least Q40
Consensus quality: 156,288 bases at least Q30
Consensus quality: 156,288 bases at least Q20
                                                                                                                                                                                                                                                                                                                                                                                                                                          *RIKEN Genomic Sciences Center, Yokohama, Japan.
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/clone_lib="PTB1 chimpanzee BAC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  subclone or more than one M13 subclone;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Center: National Institute of Genetics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Web site: http://sayer.lab.nig.ac.jp/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1. .156288
/organism="Pan troglodytes"
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/db_xref="taxon:9598"
/chromosome="22"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (http://www.gsc.riken.go.jp).
VECTOR: pKS145
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Source information:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17944 TTCCGGAGCCCAGCGACCTTCAAAGTGCAGTGTATCCTGGCTCTGGCTCTGACCCCACAGAGCA 18003
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                                                                                                                                                                                                                                                                                                                                                                                                                   + Analysis and annotation were performed with the automatic + 'first-pass' annotation and submission tool + 'AnnoWitter' (Hornischer & Bloecker). + Programs used by 'AnnoMitter': + +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Pan.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BS000162 156288 bp DNA linear PRI 07-OCT-20
Pan troglodytes chromosome 22 clone:PTB-060F12, map 22, complete
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="Pan troglodytes"
/mol type="genomic DNA"
/db_xref="taxon:9598"
/chromosome="22"
/clone="CH251-179K04"
| . .182532
/note="assembly_fragment-clone_end:77~vector_side:left assembly_fragment-clone_end:8P6~vector_side:left
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      525 GGCTCCCGGATATTTCCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTG
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Saitou,N., Kim,C., Kitano,T., OOta,S., Shimada,M., Kryukov,K.,
Tomiki,T. and Kohara,Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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DNA sequence of chimpanzee chromosome 22 and its evolutionary implications
Unpublished
                                                                                                                                                                                                                                                                                                    Estimated insert size: ##; agarose-fp estimation
Estimated insert size: 182532; sum-of-contigs estimation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
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                                                                                                                             Chemistry: Dye-terminator-amersham: ##% of reads
Chemistry: Dye-primer-amersham: ##% of reads
Assembly program: ##
                                                                                                                                                                                                                                                                                                                                                                                        PROGRAMS AND PARAMETERS USED FOR ANNOTATION:
                                                                                                                                                                                                               Consensus quality: 0 bases at least Q40 Consensus quality: 0 bases at least Q30 Consensus quality: 0 bases at least Q20
Center project name:
Center clone name: CH251-179K04
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                                                                                                         Sequencing vector: ###;
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Matches 200; Conservative
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complement (51137899) /evidence=not_experimental /rpt_family="LiPA14" /coplement(61196598)	/noce- oxtru, score = 03.000%, comment = good /noce-not experimental on complement(79278045) /evidence=not experimental /rpt_family="FLAM_A"				/note="GRAIL, score = 55.000%, comment = good shadow" /evidence=not experimental common (4013, 4213)				/rpt family="MIT2E" $1066\overline{2}$. 10875		<pre>complement(11072, .11156) /note="GRATT, ergys - R6 000% comment - ergollost"</pre>	E OIIIIII E			/rpc ramily="L2" 1157011704 /note="Mirror" = 66 1%"		/note="GRAIL, scor /evidence=not_expe	comprement(lies)il/35/ /evidence=not_experimental /rot_famil-w="MIR"						/rpt_ramily="ihkilg" complement(1348113519) /note="GRAIL, score = 65.000%, comment = good"	/evidence=not_experimental 15065. 15188	<pre>/evidence=not_experimental /rpt_family="HERVL" : 1513015378</pre>
repeat_region exon	repeat_region	repeat_region exon	repeat region	1	exon	repear_regron	repeat_region	repeat_region	repeat region	1	exon	exon		repeat_region	exon	exon		repear_regroup	repeat_region	exon	repeat region	1	repeat_region	exon	repeat_region	misc_feature
Db 1 GAGCTCGGTCTCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCTT 60 QY 605 CAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGACTTGACTTGCGTG 664 Db 61 CAAAGTGCAGTGAGATCCTGGCTCTGACCCACAGAGCAATGGAATTGACTTTGACTTTGACTTTTGACTTTTGACTTTTGACTTTTGACTTTTGACTTTTGACTTTTTGACTTTTTGACTTTTTGACTTTTTGACTTTTTGACTTTTTTTT		T 11 450	AF045450 ION Homo sapient ON AF045450	VERSION AF045450.1 GI:2895783 KEYWORDS HTG. SOURCE Homo sapiens (human)	~		3 4	Biotechnology, Beutenbergstasse 11, Jena 07745, Germany FEATURES Location/Qualifiers	source 140205 /organism="Homo sapiens"	/mol_type="genomic_DNA" /db_xref="taxon:9606"	/chromosome="11" /map="21q22.3"	/clone="cosmid_Q11M15" repeat_region complement(293586)	/evidence=not_ex /rpt_family="Alu	repear_region complement(s43594) /rowidence=not experimental /row family=wmFbVI;"	exon complement 1176) /note="GenScan, score = 5.19%, comment = Internal exon 124	ental		repeat_region complement(22963220) /evidence=not_experimental		BCOLE = 828 (04)	/evidence=not_exp /rpt_family="MLT1	exon 3359. 3395 /note="Xpound exon prediction, score = 84% (0%)"	/evidence=not experimental repeat_region complement(387415) /evidence=not experimental	/rpt_family="Aluðb" repeat_region complement(43304433)		#5854638 /note="GRAIL, score = 95.000%, comment = excellent shadow" /evidence=not_experimental

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/map="21q22.3"
/clone="PAC 70124"
                                                                                                                                                                                                                                                                     AF064860.2 GI:18958624
HTG; HTGs DRAFT.
Homo sapiens (human)
Homo sapiens
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AF064860
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AF064860
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            //note="CRAIL, score = 45.000%, comment = marginal shadow"
/evidence=not_experimental
complement(18219. .18349)
/note="GC score = 10.60 (249bp); Region: GC content" /evidence=not_experimental 15369. 16268 /evidence=not_experimental /evidence=not_experimental /rpt_family="MERVI" complement(16623. 16714) /note="GRAIL, score = 72.000%, comment = good" /evidence=not_experimental 16661. 16730 /evidence=not_experimental /evidence=not_experimental /evidence=not_experimental /evidence=not_experimental /evidence=not_experimental /evidence=not_experimental /evidence=not_experimental
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /widence=not_experimental
complement(19501..19881)
/note="MAZEF score = 50.6%"
/evidence=not_experimental
19945..20020
/note="homology = 100.00%, score = 38, counts = 2"
/rpt_type=tandem
/rpt_type=tandem
/rpt_utype=tandem
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note="GRAIL, score = 81.000%, comment = exceller evidence=not experimental complement(19379. 19399) //note="xpound exon prediction, score = 60% (0%)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        comment = good"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note="GenScan, score = 2.99%, cc
bp frame: 1 phase: 2"
/evidence=not experimental
complement(18717...19211)
/evidence=not experimental
/rpt family="MLTIC"
complement(19252...19399)
/note="GRAIL, score = 71.000%, col
/evidence=not experimental
/ptote="GRAIL, score = 71.000%, col
/evidence=not experimental
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 119; DB 9; I
Pred. No. 1.8e-58;
                                                                                                                                                                                                                                                                                                        complement (17540...17675)
complement (17540...17675)
/evidence=not_experimental
/rpt_family="MIR"
complement (17805...17864)
/evidence=not_experimental
/rpt_family="MIR"
/rpt_family="MIR"
/rpt_family="MIRIC"
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'note="MZEF, score = 79.48"
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18694 AGGIGIGAGICCAGCCAACAGIGIGGATCAGTITCCTAGGCTGCCATAACAAAGCACCAT 18753 . 0 Newp,A., Dagand,E., Hildmann,T., Nordsiek,G., Drescher,B., Weber,J., Schattevoy,R., Yaspo,M.-L., Rosenthal,A., Yaspo,M.-L. and Rosenthal,A. AF064860 170121 bp DNA linear PRI 05-MAR-2002 Homo sapiens chromosome 21 clone PAC 70124 map 21g22.3, complete 1 AGGIGIGAGICCAGCCAACAGIGIGGAICAGIIICCIAGGCIGCCAIAACAAAGCACCAI 60 AACCTGGTGGCTTAGAACAATGGAAAGGCATTTGCTCACGGTTCCAGAAGCTGTAGGTT 119 Submitted (27-FEB-2002) Genome Analysis, Institute of Molecular Biotechnology, Beutenbergstr. 11, Jena 07745, Germany ((bases 1 to 170121) Submitted (12-MAY-1998) Genome Analysis, Institute of Molecular Submitted (05-MAR-2002) Genome Analysis, Institute of Molecular Biotechnology, Beutembergstr. 11, Jena 07745, Germany On Feb 27, 2002 this sequence version replaced gi:3171153. Location/Qualifiers ((bases 1 to 170121)
Weber,J., Dagand,E., Hildmann,T., Nordsiek,G., Drescher,B.,
Weber,J., Schattevoy,R., Yaspo,M.-L. and Rosenthal,A.
Direct Submission Drescher, B., Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany 3 (bases 1 to 170121) 9.6%; Score 119; DB 9; Length 170121; 100.0%; Pred. No. 2e-58; tive 0; Mismatches 0; Indels 0; Rump, A., Dagand, E., Hildmann, T., Nordsiek, G., Drescher Weber, J., Schattevoy, R., Yaspo, M.-L. and Rosenthal, A. Direct Submission .170121
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Gaps

0

Indels

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	RESULT 13 AP064857 LOCUS DEFINITION Homo sapiens BAC derived from chromosome 21q22.3, complete sequence, containing PEP19 (PCP4) gene.	ACCESSION AF064857 VERSION AF064857.1 GI:3171149 KEYWORDS HTG. SOURCE Home sapiens (human)			<pre>source 1199665 // Corganism="Homo sapiens" // Mol type="genomic DNA" // db_xref="taxon:9606"</pre>	/chromosome="21" /map="21q22.3" repeat_region complement(1383) /evidence=not_experimental	repeat_region 747. 814 // repeat_region 747. 814 // repeat_region 727. 814 // repeat_region reperimental	repeat_region	repeat_region 14991588 /evidence=not experimental /rpt_fenily="InPA2" repeat_region complement(15842179) /evidence=not experimental		repeat_region	repeat_region /rpt_tamily="MIR" repeat_region complement(62456668) /evidence=not_experimental /rpt_family="LiME3A" repeat_region 6671_ 6069		repeat_region / rp_remplement(7387.7491) /evidence=not_experimental /rpt_family="LiME3A" repeat_region 77818020	

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RP43002119 192219 bp DNA linear PRI 19-NOV-2003
Pan troglodytes chromosome 22 BAC RP43-002119, complete sequence.
AL954227
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Ludewig, M., Thies, S., Weber, K. and Bloecker, H.

Direct Submission

Submitted (25-JUN-2003) GBF, Dept. of Genome Analysis, Mascheroder
Weg 1, D-38124 Braunschweig, Germany, E-mail: info.genome@gbf.de
On Nov 19, 2003 this sequence version replaced gi:38228900.
The Chimpanzee Chromosome 22 Sequencing Consortium consists of:
*Chinese National Human Genome Center at Shanghai,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           + Analysis and annotation were performed with the automatic + first-pass annotation and submission tool + 'AnnoMitter' (Hornischer & Bloecker). + Programs used by 'AnnoMitter': + +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Shanghai, China
*GBF, Dept. of Genome Analysis, Braunschweig, Germany; *Institute
of Molecular Biotecnology, Jena, Germany; *KRIBB Genome Research
                                                                                                                                                                                                                                                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Pan. 1 (bases 1 to 192219)
The Chimpanzee Chromosome 22 Sequencing, Consortium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Center, Daejeon, Korea;
*Max-Planck Institute for Molecular Genetics, Berlin, Germany,
*National Institute of Genetics, Mishima, Japan;
*National Institute of Genetics, Genome Research Center, Taipei,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequencing vector: ###;
Chemistry: Dye-terminator-amersham: ##* of reads
Chemistry: Dye-terminator-amersham: ##* of reads
Chemistry: Dye-primer-amersham: ##* of reads
Assembly program: ##
Consensus quality: 0 bases at least 040
Consensus quality: 0 bases at least 020
Estimated insert size: ##; agarose-fp estimation
Estimated insert size: 192219; sum-of-contigs estimation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           *RIKEN Genomic Sciences Center, Yokohama, Japan.
PROGRAMS AND PARAMETERS USED FOR ANNOTATION:
Chimpanze chromosome 22 genomic sequence Unpublished
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1. 192219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: info.genome@gbf.de
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Pan troglodytes
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                                                                                                     RESULT 14
RP43002I19
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ORGANISM
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AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 (bases 1 to 6470)
Kojima, K.K. and Fujiwara, H.
Direct Submission
Bubmisted (26-AUG-2002) Kenji K Kojima, University of Tokyo,
Department of Integrated Biosciences, Graduate School of Frontier
Sciences; Bioscience Building 501, 5-1-5 Kashiwanoha, Kashiwa,
Chiba 277-8562, Japan (E-mail:kk27513@mail:ecc.u-tokyo.ac.jp,
Tel:81-4-7136-3661, Fax:81-4-7136-3660)
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Anopheles gambiae retrotransposon R7Ag1 DNA, complete sequence.
AB090820
                                                                                                                                   Gaps
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Anopheles gambiae
Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea;
                                                                                                                                   ;
                                                                                     Length 192219;
                                                                  , DB 9; Leusson 2.7e-30; Indels
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Evolution of Target Specificity in R1 Clade Non-LTR
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Mol. Biol. Evol. 20 (3), 351-361 (2003)
22531580
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Best Local Simi:
Matches 72; (
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SOURCE
ORGANISM
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FLGUCYARPSCYUDVARASSGIAGWRTTAMGGSCRTNAKGBAVVQLVUSGIGLEVLNTGTAPT
FLGUCYARPSCYUDVARASSGIAGWRTTHFDAELFGVALDVASFTERVTSABSLERVWTBADDA
ADSRRQEGFSTRESGTRWRTRHFDAELFGVALDVASFTERVTSABSLERVWTBADDAA
MARVPPSQGHGSRPAYWWTPALEVLCENCRLAKERLEAAIDBEEDOIAAASDLLQVRTA
LDSSITTSKKEHFDEILRGLABDETGQWYRNVLSRLSGSWTARERDSSVLEVIVSTLE
PQHPPVDWARASGQULERGEBEPVRDVNBQELLDIASSINPRKAFGELDGVPRALITAA
IRKITDIFKKLPGCLDDREPREPVRDVNBQELLDIASSINPRKAFGELGVVPRALITAA
IRKITDIFKKLPGCLDDREPREPVRDVNBQERGSSTPANSFGRATNNRD
KRCLLVVALDVRARBTASWQCIAPALENGVSPRQLRVINILRDYFANRELVYDTADGPV
TRRYTAGSPQGSILGPTLWNINPGVLRVELBEGASVLRYDTADGPV
TRRYTAGSTAWBENTAMBOGVLRVELBEGASVLRYDTADGPV
VARGAVDAWBENTAMBENTGCAMSSCRAMSSLRANGTANDIAFTAL
VARGAVDANAWMEDHILQLAPEKTRGVMISSLRANGTANDIAFTAL
VARGAVDANAWMEDHILQLAPEKTRGVMISSLRANGTANDIAFTAL
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Human; B7-like protein; B7-L; antiinfertility; gynaecological; antithour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermacological; antiporiatic; neuroprotective; antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; antidiabetic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus hose disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; disease; endocrinopathy; lymphoproliferative disorder; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New B7-like polypeptides, polynucleotides and their modulators, useful for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
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                                                                                                                                                                                                                                                                                              growin and maintenance of cancer cells based on the observation of growin and maintenance of cancer including seminal vesicle hyperplatia in transpend mice overexpressing B7-L polypeptide. Hence modulators of (1) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic system. B7-L polypeptide of pathway can be manipulated to regulate cytotoxic T-lymphocyte response in allograft transplantation, graft versus host disease, T-cell dependent B-cc call mediated diseases and autoimmune diseases. B7-L molecules are useful cfor allograft transplantation or to treat autoimmune diseases involving chronic immune cell dysfunction or to treat autoimmune diseases such as systemic immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and cucrative collitis), Gave's disease, (Tronic inflammatory disease such as inflammatory bowel disease, (Crohn's disease and cucrative collitis), Gave's disease, (Crohn's disease and cucrative collitis), Gave's disease, including arteriosclerosis and cupertules are also useful as immunosuppressive agents for molecules are also useful for diagnosis and treatment of diseases.

CC molecules are also useful for diagnosis and treatment of diseases convascular restenosis. Antagoniste of B7-L polypeptides are useful for alleviation of toxic shock syndrome or allosenitisation due to blood transfusions, and for treatment of alleviation for toxic shock syndrome or allosenitisation due to blood transplants (Promphigus and pemphigoid), endocrinopathies (Grave's disease), various compendatives (extrinis alleviation disorders cancennis, thrombocytopenias, Gullain-Barre syndrome and myasthenia. The gravis, and for treatment of disorders such as maning, thrombocytopenias, Gullain-Barre syndrome and myasthenia.

CC present sequence represents the coding sequence of human B7-L h3
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                                                        The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polynucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth, and maintenance of cancer cells based on the observation of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 1240 BP; 318 A; 319 C; 305 G; 298 T; 0 U; 0 Other;
              1; Fig 3; 135pp; English
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CC polypoptides. Also claimed is a polypoptide encoded by the polynuclectide or peptide or its partial peptide, an antibody binding to the polypoptide or peptide of the polynuclectide by contacting the polypoptide or peptide or peptide of the polynuclectide by contacting the polypoptide or peptide or with the antibody of the encoded protein, and observing the binding between the two, a transformant carrying the polynuclectide in an expressible manner and an antisense polynuclectide. The oligonuclectide is useful as a primer for synthesising the polynuclectide, or as a probe of some and polynuclectides and encoded proteins are useful as pharmaceutical agents and many disease-related proteins are useful as pharmaceutical agents and many disease-related correspondence of genes may be included in them, for developing a diagnostic marker or medicines for regulation of their expression and activity, or as targets of genes may be included in them, for developing and disease.

CC for dene therapy. The genes are involved in tissue and/or cell cregentation. Membrane proteins, signal transduction-related proteins, creameration. Membrane proteins, signal transduction-related proteins, creameration diseases, cancer, tumours for diseases (e.g. osteoporosis, neurological diseases, cancer, tumours for diseases (e.g. osteoporosis, centrological diseases, cancer, tumours. The cDNA may be used to regulate the activity or expression of the encoded protein to treat diseases. The sequence presented is a obna of the sincer presented in the printed specification, but it is not respressived in the invention. Note: Some of the sequence of the activity or expression of the disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Otsuki T, Wakamatsu A, Sato H, Ishii S;
Hio Y, Otsuka K, Nagai K, Irie R, Tamechika I;
Otsuka M, Nagahari K, Masuho Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                262
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New polynucleotides and polypeptides, useful for developing a diagnostic marker or medicines for regulation of their expression and activity, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           is based on sequence information supplied by the European Patent Office.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        203 GGTTCTGGGTCTGGTAATGAAGTCATAGAAGGCCCCCCAGAATGCAACAGTCCTGAAGGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          323 AGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCACCACATGACCGCTTC
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                                                                                         /product= "Clone PLACE60177880 protein'
        Location/Qualifiers
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(REAS-) RES ASSOC BIOTECHNOLOGY.
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                                                                                                                                                                                                                                                                                                                        05-NOV-2001; 2001JP-00379298.
25-JAN-2002; 2002US-00350978.
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Best Local Similarity 100.
Matches 1125; Conservative
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J, Isono Y, F
Yoshikawa T, C
                                                                    /*tag=
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P-PSDB; ADB64920.
                                                                                                                                                    EP1308459-A2
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Key

Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatological; antiinflammatory; dermatological; antidiabetic; neuroprotective; antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; antidiabetic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.

sapiens. Ношо Location/Qualifiers . .1175

/product= "B7-like protein, B7-L_h1" /*tag=

WO200200710-A2

03-JAN-2002

28-JUN-2001; 2001WO-US020719

28-JUN-2000; 2000US-0214512P. 28-NOV-2000; 2000US-00729264.

(AMGE-) AMGEN INC

Sarmiento UM, Schultz HJ, Chute HT; Welcher AA,

WPI; 2002-130881/17. P-PSDB; AAU75540.

nseful New B7-like polypeptides, polynucleotides and their modulators, ufor diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.

Claim 1; Fig 1; 135pp; English

seminal vesicle hyperplasia in transgenic mice overexpressing BJ-L polypeptide. Hence modulators of (1) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic system. BJ-L polypeptide pathway can be manipulated to regulate cytotoxic T-lymphocyte response in allograft transplantation, graft versus host disease, T-cell dependent B-cell mediated diseases and autoimmune diseases. BJ-L molecules are useful for alleviating the symptoms associated with diseases involving chronic immune cell dystunction or to treat autoimmune diseases such as systemic lupus erythematosus, rheumatoid arthritis, multiple sclerosis, diabetes, The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polymucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and ulcerative collitis), Grave's disease, Hashimoto's thyroiditis and diabetes mellitus. They are also useful as immunosuppressive agents for bone marrow and organ transplantation or to prolong graft survival. B7-L molecules are also useful for diagnosis and treatment of diseases involving abnormal cell proliferation, including arteriosclerosis and vascular restenosis. Antagonists of B7-L polypeptides are useful for alleviation of toxic shock syndrome or allosensitisation due to blood transfusions, and for treatment of allergy, asthma and hypersensitivity reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies (Grave's disease), various pneumopathies (extrinsic alveolitis), vasculopathies, coeliac disease, anaemia, thrombocytopenias, dillian-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myeloma. The

8	CC present sequence represents the coding sequence of human B7-L_h	
S S	Sequence 1175 BP; 295 A; 307 C; 286 G; 287 T; 0 U; 0 Other	
On Be Ma	uery Match est Local Similarity 99.9%; Pred. No. 0; atches 1124; Conservative 0; Mismatches	Gaps 0;
දු දු	116 GGTTCTGGGTCTGGTAATGAAGTCATAGAAGGCCCCCAGAATGCAACAGTCCT 	CAAGGGC 175 CAAGGGC 110
δ	176 TCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGC	CTCTC 2
gg	111 Teccadderederreaacrdeacedrereeradgeerdaaderearear	crc 17
\$ g	236 AGTGACATGGTGCTAAGCGTCAGGCCCATGGAGC 171 AGTGACATGGTGGTGCTAAGCGTCAGGCCATGGAGG	GCTTC 295 GCTTC 230
8 8	296 ACCTCTCAGAGGTACGACCAGGGCGGGAACTTCACCTCGGAGATGATCATC	CACAATGTG 355
8 8	356 GAGCCCAGTGATTCGGGGAACATGCAGATGCAGCTCCAGAACAGTCGCCTTC	41
g	291 GAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGCCT	Ŋ
ò t	416 GCTTACCTTACCGICCAAGTTATGGGAGAGCTGTTCATTCCCAGTGTTAA1	CCTTGTAGTC 475
3 2		1 6
<u>8</u>	41	74
8 6	Oy 536 ATTTCTGGGGGCTGGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCC	n n
3 8	596 AGCGACCTTCAAAGTGCAGTGAGCATCCTGGCT	9
: 쉼	53	59
ò	656 ACTIGGGTGGCTACCTGGAAGACCTGAAGGCC	71
QQ	591 Å	65
oy G	QY 716 GTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGT	CAAGT 775 CAAGT 710
λŏ	T 776 T	00
q	711 TTAC	77
γ	. 836 ACCAT	80
QQ	171	ω
8	896 TG	
a a	831 TGITGIGGCIGCAACIGCIGCI	830
දුරු පු	QY 956 CGTATTCAATTTCAAAAGAAATCTGAAAAAGAGAAGACAAACAA	
λ̈	1016	1
οg	Db 951 AGTGGAAATGAAAACTCCGGCTACAATTCAGATGAACAAAAGACCACAGACACCGCTTCT	SCTICI 1010
δ	QY 1076 CTCCCTCCCAAATCCTGTGAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCCCCT	GCCCT 1135

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                                                                                                                                                                                                                                                                                                                                                                                             Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antifilammatory; dermaclogical; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; antidasthmatic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; gene; ss. endocrinopathy; lymphoproliferative disorder; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       seminal vesicle hyperplasia in transgenic mice overexpressing B7-L by by pythide. Hence modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic system. B7-L polypeptide
1071 CCTCACCAGCGGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New B7-like polypeptides, polynucleotides and their modulators,
                                                                                                                             1196 AATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1240
                                                                                                                                                 /*tag= a
/product= "B7-like protein, B7-L_h2"
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                                                                                                                                                                                                                                                                                                                                                               DNA encoding human B7-like protein, B7-L_h2.
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                                                                                                                                                                                                                                                    ABK13029 standard; cDNA; 1168
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28-NOV-2000; 2000US-00729264
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pathway can be manipulated to regulate cytotoxic T-lymphocyte response in allograft transplantation, graft versus host disease, T-cell dependent B-cell mediated diseases and autoimmune diseases. B7-L molecules are useful for alleviating the symptoms associated with diseases involving chronic immune cell dysfunction or to treat autoimmune diseases such as systemic lupus erythematorsus, theumatorid arthritis, multiple solerosis, diabetes, immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and therative colitis), grave's disease, Hashimoto's thyroiditis and diabetes mellitus. They are also useful as immunosuppressive agents for bone marrow and organ transplantation or to prolong graft survival. B7-L conjectules are also useful for diagnosis and treatment of diseases involving abnormal cell proliferation, including arteriosclerosis and vascular restenosis. Antagnosis and treatment of diseases involving abnormal cell proliferation, including arteriosclerosis and transfusions, and for treatment of alleray, asthma and hypersensitivity reactions, nephropathies (eg. glomerulonephritis), skin disorders canaemia, thrombocytopenias, duillant-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myapeloma. The gravis, and lymphoproliferative disorders such as multiple myapeloma. The
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1; Fig 4; 135pp; English.

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antiinflammatory; dermatological; antipsoriatic; neuroprotective;
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/product= "B7-like protein, B7-L_h4"
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The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polymucleotide encoding it and antibody against (I) are polypeptide, polymucleotide encoding it and antibody against (I) are conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and conditions including reproductive disorders, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of growth and maintenance of cancer cells based on the observation of growth and maintenance of cancer cells based on the observation of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cresticular cancer and cancers of haematopoietic system. B7-L polypeptide cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cresticular cancer and cancers of haematopoietic system. B7-L molecules are useful cor allograft transplantation, graft versus host disease. T-cell dependent B-cell mediated diseases and autoimmune diseases. B7-L molecules are useful for alloyate thrombocytopenic unrune diseases surch as systemic immune cell dysfunction or to treat autoimmune diseases such as systemic immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and classes melliturs. They are also useful as immunosupersaive agents for diseases melliture. They are also useful for diseases (Crohn's diseases of concert of molecules are also useful for disagnosis and treatment of diseases constants and proving abording abording abording abording abording abording abording abording abording and praging and treatment of diseases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          vascular restenosis. Antagonists of B7-L polypeptides are useful for alleviation of toxic shock syndrome or allosensitisation due to blood transfusions, and for treatment of allergy, asthma and hypersensitivity reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies (Grave's disease), various pneumopathies (extrinsic alveolitis), vasculopathies, coellac disease, anemaia, thrombocytopennias, Gullain-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myeloma. The present sequence represents the coding sequence of human B7-L h4
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activity of (II) or to treat disease states involving (II). (II) is useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful in medical imaging of sites expressing (II). (I) and (II) are useful for treating disorders involving aberrant protein expression or biological activity. The polypeptide and polymucleotide squences have applications in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and amino acid sequences. AAS64197-AAS94564 represent novel human diagnostic coding sequences of the invention. Note: The sequence data for this electronic format directly from WND at the printed specification, but was obtained in electronic format directly from WND at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 AATGACCGCTTCACCTCTCAGAGGTACGACCAGGGCGGGGAACTTCACCTCGGAGATGATC
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                                                                                      CAATGGGACTTTGACTTGCGTGCCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAAC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human, chromosome mapping; gene mapping; gene therapy, forensic, food supplement; medical imaging; diagnostic; genetic disorder; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DNA encoding novel human diagnostic protein #28160.
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                                    TCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Probe #5268 used to measure gene expression in human placenta sample.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Probe; microarray; human; placenta; antenatal diagnosis;
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                                                                                                                                                                                                                                                       1213 GAAGGTCAGTAATACAACTGTAGTATAG 1240
                                                                                                                                                                                                                                                                                                                      303 GAAGGICAGIAATACAACIGIAGIATAG 330
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21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000GB-00024263.
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30-JUN-2000; 2000US-00608408
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1032
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New polynucleotide sequences obtained from various cDNA libraries, useful
                                                                                                                                                                                                                                                                                                                                                   ss; sequencing by hybridisation; SBH; expressed sequence tag; EST;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to an isolated polynucleotide comprising any one of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               as hybridization probes, as oligomers for PCR, for chromosome and gene mapping, in the recombinant production of protein, or in generating antisense DNA or RNA.
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                                                                                                                                                                                                                                                                                                                                                                                    mapping; biodiversity; genetic disorder.
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                                                                                               ACH16130 standard; cDNA; 474 BP
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                                                                                                                                                                                                                                                                                        Human adult heart cDNA #444.
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STACHE-CRAIN
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                                                                                                                                                                                                                         13-0CT-2003
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                                                                                                                                                           ACH16130;
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New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell
                                                                             Orosophila melanogaster expressed polynucleotide SEQ ID NO 40961.
                                                                                                              developmental biology; cell signalling; insecticide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; SEQ ID NO 40961; 21pp + Sequence Listing; English.
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                                                                                                                                                                                                                                                                    23-MAR-2001; 2001WO-US009231.
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11-JUL-2000; 2000US-00614150.
                                               (first entry)
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                                                                                                                                pharmaceutical; gene; ss
                                                                                                                                                                 Drosophila melanogaster.
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                                             26-MAR-2002
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              ABL15493;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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ABL15492/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to novel single exon nucleic acid probes. The present sequence is one such probe. The probes are useful for measuring human gene expression in a human breast sample, where the probe hybridises at high stringency to a nucleic acid expressed in the human breast. The probes are useful for predicting, diagnosing, grading, staging, monitoring and prognosing diseases of the human breast, particularly those diseases with polygenic aetiology. The diseases include: breast cancer, disorders of development, inflammatory diseases of the breast, fibrocystic changes, proliferative breast disease and non-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel single exon nucleic acid probe used to measuring gene expression in
                                                                                                                                                                                                                                                                                    Inflammatory disease; proliferative breast disease; non-carcinoma tumour.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 carcinoma tumours. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from MIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                Probe; human; breast disease; breast cancer; development disorder; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                  Probe #4326 used to measure gene expression in human breast sample.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 357 BP; 117 A; 68 C; 64 G; 108 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Prec. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 25; SEQ ID NO 4326; 322pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2.0%; Score 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rank DR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        949 AGGATTTCGTATTCGAAAG 973
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AGGATTTCGTATTCAATTTCAAAAG 66
              283 CAATGACCGCTTCACCTCTCAGAG 306
                                 378 CAATGACCGCTTCACCTCTCAGAG 401
                                                                                                                                BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-JUN-2000; 2000US-00608408.

21-SEP-2000; 2000US-0053366.

21-SEP-2000; 2000US-0234687P.

24-OCT-2000; 2000US-0236559F.
                                                                                                                                                                                                                                                                                                                                                                                                                      29-JAN-2001; 2001WO-US000661
                                                                                                                                AAI04335 standard; DNA; 357
                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
les 25; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-476286/51
                                                                                                                                                                                                                                                                                                                                                   WO200157270-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a human breast.
                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-FEB-2000;
26-MAY-2000;
                                                                                                                                                                                                 09-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                     09-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local S:
Matches 25,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Penn SG,
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                                                                                                                                                                AAI04335;
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                                         is.
The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention useful in developmental biology and in elucidating cell signalling and
                                                                                                                                       insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL16176) and the encoded proteins (ABBS7773-ABR2072). The sequence data for this patent did not form part of printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                cell-cell interactions in higher eukaryotes for the development of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Drosophila melanogaster expressed polynucleotide SEQ ID NO 40958.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Drosophila; developmental biology; cell signalling; insecticide;
                                                                                                                                                                                                                                                                                                                                                                                                       Seguence 6507 BP; 1745 A; 1888 C; 1712 G; 1162 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 24; DB 4; Length 6507;
Pred. No. 0.24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Preq. ...
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200171042-A2
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ABL15493 standard; cDNA; 6507 BP

RESULT 10 ABL15493/c ID ABL15

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Seminal vesicle hyperplasia in transgenic mice overexpressing B7-L polypeptide Hence modulators of (1) are useful for the treatment of ancer including seminal vesicle cancer, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic system. B7-L polypeptide pathway can be manipulated to regulate cytotoxic T-lymphocyte response in allograft transplantation, graft versus host disease, T-cell dependent B-cell mediated diseases and autoimmune disease. B7-L molecules are useful for alleviating the symptoms associated with diseases unvolving chronic lunus erythematosus, rheumatorid arthritis, multiple sclerosis, diabetes, immune thrombocytopenic purpura and psoriasis, chronic inflammatory bowel disease such as inflammatory bowel disease (Cronn's disease and disease such as inflammatory bowel disease (Cronn's disease and disease such as inflammatory bowel disease (Cronn's disease and disease and disease and disease and disease and disease and disease and disease and disease and disease and disease and disease and disease and disease and disease and disease and manipulatius. They are also useful as immunosuppressive agents for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                bone marrow and organ transplateation or to prolong graft survival. B7-L bone marrow and organ transplateation or to prolong graft survival. B7-L molecules are also useful for diagnosis and treatment of diseases involving abnormal cell proliferation, including arteriosclerosis and vascular restenosis. Antagonists of B7-L polypeptides are useful for alleviation of toxic shock syndrome or allosensitisation due to blood transfusions, and for treatment of allergy, asthma and hypersensitivity reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies (Grave's disease), various phenopathies (extinsic alveolifis), resculpothies, coellac disease, anaemia, thrombocytopenias, Guillain-Barre syndrome and myasthemia gravis, and lymphoproliferative disorders such as multiple myeloma. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polymucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of
                                                                                                                                                                                                                                                                                                       useful
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                              for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   present sequence represents the coding sequence of mouse B7-L_m1
                                                                                                                                                                                                                                                                                                    New B7-like polypeptides, polynucleotides and their modulators,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                             Chute HT;
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Pred. No. 0.73;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Pred. w...
                                                                                                                                                                Schultz HJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        527 CTCCCGGATATTTCCTGGGAGCT 549
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                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1, Fig 5; 135pp; English
                         28-JUN-2000; 2000US-0214512P.
28-NOV-2000; 2000US-00729264.
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Best Local Similarity 100.
Matches 23, Conservative
                                                                                                                                                             Welcher AA, Sarmiento
                                                                                                                                                                                                                       WPI; 2002-130881/17.
                                                                                                          (AMGE-) AMGEN INC.
                                                                                                                                                                                                                                                 P-PSDB; AAU75544
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL01840-ABL16175) and the encoded proteins (ABBS7737-ABR372072). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mouse; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatchological; antipsoriatic; neuroprotective; antidiabetic; heemostatic; antithyroid; antiulcer; antiallergic; antialsthmatic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; gene; sendocrinopathy; lymphoproliferative disorder; gene; se.
                                                                                                                                                                                                                                                                                                                                                                                  New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; SEQ ID NO 40958; 21pp + Sequence Listing; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DNA encoding mouse B7-like protein, B7-L ml.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Prec. ...
                                                                                                                                                                                                                                                 Myers EW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 24;
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                                                                                                                                                                                                                                                 PWD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABK13032 standard; cDNA; 1195
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                                                      23-MAR-2001; 2001WO-US009231
                                                                                                          23-MAR-2000; 2000US-0191637P
11-JUL-2000; 2000US-00614150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.9%;
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/*tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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Best Local Similarity 100.
Matches 24; Conservative
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                                                                                                                                                                                                                                                 Adams M,
                                                                                                                                                                                                                                                                                                       WPI; 2001-656860/75
                                                                                                                                                                                          (PEKE ) PE CORP NY
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                                                                                                                                                                                                                                                                                                                                                                                                                                        interactions.
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27-SEP-2001
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RESULT 12 ABK13032

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polypeptides and agonists can be used for treating disorders associated with decreased activity of the respective polypeptides. They can be used for treating neurodegenerative diseases such as amyotrophic lateral sclerosis, Parkinson's disease, schizophrenia, insomnia, tardive dyskenisia, hypertension, pituitary adenomas, hyperprolactinemia, thyroid tumour, renal disorders, kidney failure, gut dysfunction, or for regeneration of cardiomyocytes, epithelium or hepatocytes. Antagonists of the polypeptides can be used for treating disorders associated with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCR primers AAV99359-60 were used to amplify cDNA encoding the full length protein of a glial cell line-derived neurotrophic factor receptor gamma 1 (GDNR-agamial). The amplified product was subsequently cloned and expressed in Baculovirus. GDNR-beta shares high homology with GDNRRalpha, which is capable of complexing with glial cell line-derived neurotrophic factor (GDNF) and mediating cell response to GDNF. The GDNFR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New isolated glial cell derived neurotrophic factor receptors - used to develop products for treating e.g. neurodegenerative disorders, schizophrenia, hypertension, tumours, renal disorders, kidney failure or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              increased activity of the respective polypeptides. The products can also be used for detection, diagnosis and drug screening
               Glial cell line-derived neurotrophic factor receptor gamma 1; GDNFR-alpha; glial cell line-derived neurotrophic factor; GDNF, neurodegenerative disease; amyotrophic lateral sclerosis; GDNFR-gammal; Parkinson's disease; schizophrenia; insomnia; tardive dyskenisia; hypertension; pituitary adenomas; hyperprolactinemia; thyroid tumour; renal disorder; kidney failure; gut dysfunction; regeneration; cardinomyocyte; epithelium; hepatocyte; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ruben SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 6; Page 68; 156pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gentz RL,
                                                                                                                                                                                                                                                                                                                                                                            97US-0047092P.
                                                                                                                                                                                                                                                                                                                                                                                                                                         (HUMA-) HUMAN GENOME SCI INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-070150/06.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gut dysfunction.
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                                                                                                                                                                                                          Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                    20-MAY-1998;
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                                                                                                                                                                                                                                                                                         26-NOV-1998
                                                                                                                                                                                       Synthetic
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ö Gaps .. Score 22; DB 2; Length 141; Pred. No. 2.2; Indels .; 0 100.0%; Prec. ... 1.8%; Query Match
Best Local Similarity luv..

Best Local Similarity luv.. à

Sequence 141 BP; 19 A; 60 C; 38 G; 24 T; 0 U; 0 Other;

873 GCTGCTGCTGCTGCCGCCGTCG 894 9 69 GCTGCTGCTGCCGCCGTCG g

ABN99162 standard; DNA; 767 ABN99162; ABN99162

RESULT 14

BP

(first entry) 01-AUG-2002

Arabidopsis thaliana expressed polynucleotide SEQ ID NO 930.

Arabidopsis thaliana; plant; insecticide; fungicide; transgenic; stress;

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disease; crop; thale cress; tolerance factor; insect; pathogen; nutrition; ds.
                                      26-JAN-2001; 2001US-00770445.
                                              27-JAN-2000; 2000US-0178472P.
            Arabidopsis thaliana.
                                                               HAMILTON C M.
                                                                                                  WOESSNER J P
                                                                                 RAMEAKA J G.
                                                                        RAINES T M.
                                                                                             LEDFORD B L
                                                                                         MATHEW A V.
                                                                                                       HAAS W D.
GARCIA C A.
                                                                                                                       DAVIS K R.
ALLEN K.
                                                                    PRICE J L.
                                                       GORLACH J.
                                                                                                               KRICKER M.
                                                                                                                                HOFFMAN N.
                                                                                                                   SLATER T.
                     JS2002023281-A1
                                                                                                      HAAS W
                                                                                     PAGE A
                             21-FEB-2002
                                                                    (PRIC/)
(RAIN/)
(YUYY/)
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(HAAS/)
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(ALLE/)
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(PAGE/)
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(LEDF/)
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Haas WD; JP, Haas V Hoffman N; Yu Y; Woessner Mathew AV, Ledford BL, Woessner , Slater T, Davis KR, Allen K, Raines TM, Price JL, An Y, Hamilton CM, Kricker M, Page A, Gorlach J, Rameaka JG, Garcia CA, Hurban P;

HURB/) HURBAN P.

WPI; 2002-403163/43.

New Arabidopsis thaliana nucleic acid for identifying homologous genes, producing compositions that modulate the expression or function of its encoded protein, and mapping functional regions of protein.

Claim 1; SEQ ID NO 930; 49pp + Sequence Listing; English.

The invention relates to an Arabidopsis thaliana nucleic acid (I) comprising a sequence capable of hybridising under stringent conditions to a sequence selected from any one of 995 sequences (ABN982313-ABN99231), given in the specification or its fragment. A polypeptide (II) encoded by (I), a transgenic plant (III) comprising an exogenous nucleic acid or a genetically modified cell (IV) comprising an exogenous nucleic acid, is useful in identifying homologous or related genes, in producing compositions that modulate the expression or function of its encoded protein, mapping functional regions of related genes, in producing compositions that modulate the expression or function of its encoded protein, mapping functional regions of the protein and in studying associated physiological pathways. (I) is also useful for the genetic manipulation of cells, pathicularly plant cells. (I) is also useful in screening assays of various plant strains to determine the strains that are best capable of withstanding a particular disease or environmental creates in add (III) are useful for screening of biologically active agents, e.g. fungicides, insecticides, etc., for elucidating biochemical pathways. The screened agents are useful in improved methods of treating crops to prevent or treat disease. (II) are also useful in screening crops to crops to prevent or treat disease. (II) are also useful for cenhance their tolerance to environmental stress, (I) is also useful for enhance their tolerance compared methods of treating crops to compare their tolerance to environmental stress, (I) is also useful to any specific insect and/or pathogen is responsible for damage to environmental stress, for identifying other mediators that enhance or induce to environmental stress, for identifying etter telerance to environmental stress, for identifying etter telerance to environmental stress, for identifying other mediators that enhance or induce tolerance to environmental stress, for identifying etter identifying other mediators that environmen

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biosynthetic pathways of nutritional, commercial, or medicinal value and for identifying productions of nutritional, commercial or medicinal value. (IV) is useful in the study of genetic function and regulation, for alteration of the cellular metabolism and for screening compounds that may affect the biological function of the gene or gene products. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from USPYC at seqdata.uspto.gov/sequence.html?DocID=999909770445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New factor alpha 3 receptor polypeptide and e.g. DNA and agonists - used to treat neuro degenerative diseases, muscular diseases and nerve and muscle trauma and in diagnostic assays.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Glial cell line-derived neurotrophic factor alpha-3 receptor; GDNF; treatment; neurodegenerative disease; Parkinson's Disease; ALS; SMA; amyotrophic lateral sclerosis, spinal muscular atrophy; nerve; trauma; Huntington's Disease; Alzheimer's Disease; diabetic neuropathy; muscle;
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/note= "partial sequence of glial cell-derived
neurotrophic factor alpha-3 receptor"
                                                                                                                                                                                                    Query Match 1.8%; Score 22; DB 6; Length 767; Best Local Similarity 100.0%; Pred. No. 2.3; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                   Sequence 767 BP; 169 A; 199 C; 147 G; 252 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human GDNF alpha-3 receptor cDNA #1.
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                                                                                                                                                                                                                                                                            886 CCGCCGTCGTTGTGCGCTGC 907
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                                                                                                                                                                                                                                                                                                                                                                                                     AAV35364 standard; cDNA; 1200 BP
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97GB-00009463.
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P-PSDB; AAW65116.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-NOV-1997;
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Sequence 20, Application US/09187906
Patent No. 6677135
GENERAL INFORMATION:
APPLICANT: BIOGEN, INC.
TITLE OF INVENTION: Ret Ligand (RetL) for Stimulating Neural
TITLE OF INVENTION: and Renal Growth
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Biogen, Inc.
STREET: 14 Cambridge Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22; Conservative
; ORGANISM: Homo sapiens
US-09-220-528-65
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Best Local Similarity
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 USA
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COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 65
LENGTH: 1203
TYPE: DNA
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Sequence 10, Appl
Sequence 128, Appl
Sequence 3243, Ap
Sequence 16752, A
Sequence 16751, A
Sequence 12897, A
Sequence 12897, A
Sequence 3, Appli
Sequence 1, Appli
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                                                                                                September 14, 2004, 23:14:24; Search time 96.902 Seconds
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2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/pcTuS_COMB.seq:*
            GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-489-033A-3243
US-09-621-976-16752
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                                                                    - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Maximum DB seq length: 2000000000
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Sequence 2, Appli
Sequence 12, Appl
Sequence 14, Appl
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100.0%; Pred. No. 0.18;
ive 0; Mismatches 0; Indels
                        US-08-447-500-5
US-08-454-097-5
US-08-453-86-5
US-08-188-359-5
US-09-620-312D-908
US-09-491-522-6
US-09-44-379-60
US-09-44-379-60
US-09-188B-60
US-09-188B-60
US-09-189-039A-4904
US-09-191-060-12
US-09-919-060-12
US-09-317-86-240-21
US-09-317-86-240-21
US-09-317-86-240-21
US-09-317-891A-5
US-09-317-891A-5
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RESULT 5
US-09-489-039A-3243/C
US-09-489-039A-3243, Application US/09489039A

Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et. al
TITLE OF INVENTION: PUECHOR ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: PUECHOR POSTORO OF 1209-2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT APPLICATION NUMBER: US 60/117,747
PRIOR APPLICATION UNDHER: US 60/117,747

PRIOR FILING DATE: 1999-01-29

NUMBER OF SEQ ID NOS: 14342
                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Methods for Identifying Compounds for TITLE OF INVENTION: Methods for Identifying Compounds for TITLE OF INVENTION: Methods for Identifying Compounds for TITLE OF INVENTION: Motion Sickness, Vertigo and Other Disorders Related to TITLE OF INVENTION: Balance and the Perception of Gravity FILE OF INVENTION: Balance and the Perception of Gravity FILE EXPERIENCE: PAI 3864
CURRENT REPLICATION NUMBER: US/09/669,751
CURRENT FILING DATE: 1999-12-02
NUMBER OF SEQ ID NOS: 261
SOFTWARE: FastSEQ for Windows Version 4.0
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1.8%; Score 22; DB 3; Length 3942;
100.0%; Pred. No. 0.19;
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                             100.0%; Pred. No. 0.1 tive 0; Mismatches
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; Sequence 16752, Application US/09621976
; Patent No. 6639063
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US-09-669-751-128/c
; Sequence 128, Application US/09669751
; Patent No. 651575
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  Query Match
Best Local Similarity 100.
Matches 22; Conservative
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US-09-669-751-128
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APPLICANT: Greenspi
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LENGTH: 1428
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Patent No. 6248724

GENERAL INFORMATION:
APPLICANT: Phillips, M. Ian
APPLICANT: Phillips, M. Ian
APPLICANT: Mohuczy, Dagmara
TITLE OF INVENTION: ANTISENSE CLICONUCLECTIDE COMPOSITIONS TARGETED TO
TITLE OF INVENTION: ANGIOTERSIN CONVERTING ENZYME MRNA AND METHODS OF USE
FILE REFERENCE: UFLA:087/UFLA.087P
CURRENT APPLICATION NUMBER: US/09/162,484

CURRENT TILING DATE: 1999-09-25

GARLIER PILING DATE: 1997-09-25

NUMBER OF SEQ ID NOS: 19

SOFTWARE: PATENTING UNCY: 2.0

SEQ ID NO 19

LENGTH: 3942
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  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/187,906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Kaplan, Warren A.
REGISTRATION NUMBER: 34,199
REGISCHOCKET NUMBER: A008 PCT CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-679-2408
INFORMATION FOR SEQ ID NO: 20:
INFORMATION FOR SEQ ID NO: 20:
LENGTH: 1699 base pairs
                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/07726
APPLICATION NUMBER: PCT/US97/07726
FILING DATE: 08-MAY-97
APPLICATION NUMBER: US 60/017,427
FILING DATE: 08-MAY-96
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/019,300
FILING DATE: 07-JUN-96
PRIOR APPLICATION NUMBER: US 60/021,859
FILING DATE: 16-JUL-96
PRIOR APPLICATION NUMBER: US 60/043,533
FILING DATE: 10-APR-97
ATTORNEY, AGENT INFORMATION:
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US-09-162-484-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 1699 base pai
TYPE: nucleic acid
STRANDEDNESS: single
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175..1374
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                                                                                                                                                                                    FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 3
US-09-162-484-19
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Sequence 12735, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
AEROIGNERAL
TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: WIGHER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR PELICATION NUMBER: US 60/074,788
PRIOR PELICATION NUMBER: US 60/094,190
PRIOR PELICATION NUMBER: US 60/094,190
PRIOR PELING DATE: 1998-07-18
PRIOR PELING DATE: 1998-07-18
PRIOR PELING DATE: 1998-07-19
NUMBER OF SEQ ID NOS: 33142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Bret.
APPLICANT: Madeline M. Butler
APPLICANT: Madeline M. Butler
APPLICANT: Jacqueline Myatt
TITLE OF INVENTION: ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
FILE REFERENCE: RTS-0118
CURRENT APPLICATION NUMBER: US/09/593,711A
CURRENT FILING DATE: 2000-06-14
NUMBER OF SEQ ID NOS: 244
                                                                           Query Match 1.6%; Score 20; DB 4; Length 984; Best Local Similarity 100.0%; Pred. No. 1.9; Matches 20; Conservative 0; Mismatches 0; Indels
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; Sequence 3, Application US/09593711A
; Patent No. 6271030
                                                                                                                                                                              899 TGTGGCTGCAACTGCTG 918
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  ; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-12897
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US-09-252-991A-12735
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LOCATION: 1415
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 1421
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 1422
OTHER INFORMATION: unknown
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ORGANISM: Homo sapiens
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OTHER INFORMATION:
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US-09-252-991A-12735
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LOCATION: 1423
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APPLICAUT: MARC J. Rubenfield et al.
APPLICAUT: MARC J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: ABRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: ABRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR APPLICATION NUMBER: US 60/094,190
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 12897
LENGTH: 984
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1.6%; Score 20; DB 4; Length 394;
Best Local Similarity 100.0%; Pred. No. 1.8;
Matches 20; Conservative 0; Mismatches 0; Indels
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1.9;
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Sequence 16751, Application US/09621976

Fatent No. 6639063

GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, J.B.

APPLICANT: Glordano, J.Y.

APPLICANT: Glordano, J.Y.

TITLE OF INVENTION: ESTS and Encoded Human Proteins.

FILE REFERENCE: GENSET.054PR2

CURRENT APPLICATION NUMBER: US/09/621,976

CURRENT FILING DATE: 2000-07-21

NUMBER OF SEQ ID NOS: 19335

SOFTWARE: PATENT.PM
                                              APPLICANT: Jobert, S.
APPLICANT: Glordano, J.Y.
TITLE OF INVENTION: ESTS and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT APPLICATION NUMBER: US/09/621,976
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 16752
LENGTH: 394
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100.0%; Pred. No. ...
0; Mismatches
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; Sequence 12897, Application US/09252991A
; Patent No. 6551795
               APPLICANT: Dumas Milne Edwards, J.B. APPLICANT: Jobert, S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      882 GCTGCCGCCGTCGTTGT 901
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                                                              TYPE: DNA
CORGANISM: Homo sapiens
US-09-621-976-16752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
CORGANISM: Homo sapiens
US-09-621-976-16751
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 16751
LENGTH: 794
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Gaps

Length 1857;

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GENERAL INFORMATION:
APPLICANT: Kunio NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
                                                                                                                                                                   GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kishimoto, Tadamitsu
APPLICANT: Akira, Shizo
APPLICANT: Akira, Shizo
APPLICANT: Tanabe, Osamu
APPLICANT: Tanabe, Osamu
APPLICANT: Tanabe, Osamu
APPLICANT: Shimamoto, Takuya
ITILE OF INVENTION: C/EBP2 Gene and Recombinant
ITILE OF INVENTION: C/EBP2
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                  Sughrue, Mion, Zinn, Macpeak
                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Sughrue, Mion, Zinn, macpea
ADDRESSEE: Seas
STREET: 2100 Pennsylvania Avenue, N.W.
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/012,735
FILING DATE: 19930203
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US/07/601,094
FILING DATE: 22 OCT 1990
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: D.C.
COUNTRY: United States
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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872 CGCTGCTGCTGCCGCCG 891
                          204 CGCTGCTGCTGCTGCCGCCG 185
                                                                                                                                           Sequence 1, Application US/08012735 Patent No. 5360894
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 1914 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEIC ACID
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS:
                                                                                                    RESULT 12
US-08-012-735-1/c
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100.0%; Pred. No. 2;
                                                                                                                                                                                                                              Query Match
1.6%; Score 20; DB 3; Length 1910;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1, Application US/07601094
; Patent No. 5215892
; GENERAL INFORMATION:
APPLICANT: Kishimoto, Tadamitsu
APPLICANT: Hirano, Toshio
APPLICANT: Isshiki, Hiroshi
APPLICANT: Tanabe, Osamu
APPLICANT: Kinoshita, Shigemi
APPLICANT: Kinoshita, Shigemi
APPLICANT: Kinoshita, Shigemi
TITLE OF INVENTION: C/EBP2
TITLE OF INVENTION: C/EBP2
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Sughrue, Mion, Zinn, Macpeak
ADDRESSEE: Seas
STREET: 2100 Pennsylvania Avenue, N.W.
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Pred. ...
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COUNTRY: United States
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/601,094
FILING DATE: 19901022
CLASSIFICATION: 435
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (202) 293-7860
                                                                                                                                                                                                                                                                                                                   872 CGCTGCTGCTGCTGCCGCCG 891
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INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1914 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                 NAME/KEY: Undure

LOCATION: 1424

OTHER INFORMATION: unknown

MAME/KEY: unsure

LOCATION: 1458

OTHER INFORMATION: unknown

NAME/KEY: CDS

LOCATION: (299)...(1336)

US-09-593-711A-3
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  OTHER INFORMATION: unknown
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Best Local Similarity
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CTHER INFORMATION:
US-07-601-094-1
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Gaps
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Query Match
1.6%; Score 20; DB 1; Length 1914;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 20; Conservative 0; Mismatches 0; Indels
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us-09-729-264-5.olig.rni

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GENERAL INFORMATION:
APPLICANT: Kunio NAKASHIMA et al.
APPLICANT: Kunio NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
TITLE OF INVENTION: TO SAID POLYPEPTIDE
TITLE OF INVENTION: ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSEE: 812-5 Hirano
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MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: Microsoft Windows 95
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Pred. No. 2.1;
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100.0%; Pred. No. 2...
0; Mismatches
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IDENTIFICATION METHOD: E (by experiment)
                CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,038A
FILING DATE: MAY 28, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UF 8-184459
FILING DATE: 15-UJV-196
ATTORNEY/AGENT INFORMATION:
NAME: C. BTUCE Hamburg
REGISTRATION NUMBER: 22,389
REGISTRATION NUMBER: 22,389
REFERENCE/DOCKET NUMBER: F-5610
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 4, Application US/08864038A; Patent No. 6001592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        872 CGCTGCTGCTGCTGCCGCCG 891
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REFERENCE/DOCKET NUMBER: F-I
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Word Perfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/
                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
E: cDNA to mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: May 28, 1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                          TELEFAX: (212)953-7733
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Pinctada fucata
CELL TYPE: mantle epithel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: double
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CITY: Tsu-city
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mRNA
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ZIP: 514-01
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US-08-864-038A-4
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TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR

TITLE OF INVENTION: CONTAINING SALD CDNA, HOST CELLS TRANSFORMED WITH SALD

TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING

TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

STRRESPONDENCE ADDRESS:

STRRESPONDENCE ADDRESS:

STRRESPONDENCE ADDRESS:
                  VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY TO SAID POLYPEPTIDE
    CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
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                                                                                                                                                                                                                                                                COMPUTER READALE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage COMPUTER: IBM Compatible OPERATING SYSTEM: Microsoft Windows 95 SOFTWARE: Word Perfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,038A
FILING DATE: MAY 28, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UP 8-184459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 514-74
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
CAMPUTER: IBM Compatible
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100.0%; Pred. No. 2;
:ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: JP 8-184459
FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION:
NAME: C. Bruce Hamburg
REGISTRATION NUMBER: 22,389
REGISTRATION NUMBER: F-5610
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CELL TYPE: mantle epithelial cell US-08-864-038A-1
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Patent No. 6001592
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                                                                                                                                   812-5 Hirano
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (212) 953-7733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
TITLE OF INVENTION: CONT
TITLE OF INVENTION: VECT
TITLE OF INVENTION: SAID
TITLE OF INVENTION: TO S
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mie-prefecture
JAPAN
                                                                                                                                                                                                       Mie-prefecture: JAPAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
EDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: Isshinden
CITY: Tsu-city
                                                                                                                                                 STREET: Isshinden
CITY: Tsu-city
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                    514-01
                                                                                                                                   ADDRESSEE:
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Sequence 1104, Ap
Sequence 3342, Ap
Sequence 16305, A
Sequence 16653, A
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Sequence 255101,
Sequence 255100,
Sequence 255100,
Sequence 255101,
Sequence 257102,
Sequence 257899,
Sequence 81652, A
                                                                                                                                     September 14, 2004, 23:16:34; Search time 658.934 Seconds (without alignments) 9468.459 Million cell updates/sec
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(gnz_6/ptodata/2/pubpna/US07 PUBCOMB.seq:*
(cgnz_6/ptodata/2/pubpna/US07 PUBCOMB.seq:*
(cgnz_6/ptodata/2/pubpna/US06_PUBW_PUB.seq:*
(cgnz_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
(cgnz_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
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GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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US-09-918-995-3342

US-09-864-761-16535

US-09-864-761-16535

US-10-027-632-255101

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ALIGNMENTS

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       Sequence 1104, Application US/10104047

Publication No. US20030236392A1

GENERAL INCORMATION:

APPLICANT: HELLY RESEARCH INSTITUTE

TITLE OF INVENTION: No. US20030236392A1e1 full length cDNA

FILE REFERENCE: H1-A0105

CURRENT APPLICATION NUMBER: US/10/104,047

CURRENT FILING DATE: 2002-03-25

PRIOR FILING DATE: 2002-03-25

NUMBER OF SEQ ID NOS: 4096

SOFTWARE: PatentIn Ver. 2.1
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; Sequence 3342, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROW VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756

RESULT 2 US-09-918-995-3342

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Sequence 16305, Application US/09864761

Sequence 16305, Application US/09864761

Sequence 16305, Application US/09864761

Sequence 16305, Application US/09864761

Septent No. US20202004876341

SEPTICANT: Panh, David R.

APPLICANT: Ranh, David R.

APPLICANT: Hanzel, David R.

APPLICANT: Hanzel, David R.

APPLICANT: Hanzel, David R.

APPLICANT: Hanzel, David R.

TITLE OF INVENTION: HUMBER: US/09/864,761

CURRENT APPLICATION NUMBER: US 60/180,312

PRIOR PILING DATE: 2000-05-26

PRIOR PLING DATE: 2000-05-26

PRIOR PLING DATE: 2000-06-03

PRIOR PLING DATE: 2000-06-03

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2001-01-04

PRIOR PLING DATE: 2001-01-04

PRIOR PLING DATE: 2001-01-04

PRIOR PLING DATE: 2001-01-04

PRIOR PLING DATE: 2001-01-04

PRIOR PLING DATE: 2001-01-04

PRIOR PLING DATE: 2001-01-04

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PRIOR PLING DATE: 2001-01-04

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PRIOR PLING DATE: 2001-01-04

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1213 GAAGGICAGIAAIACAACIGIAGIAIAG 1240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    303 GAAGGICAGTAATACAACTGTAGTATAG 330
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: US/09/235,076
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3342
LENGTH: 474
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OTHER INFORMATION: n = A,T,C
                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc_feature
                                                                                                                                                                                                                                                           TYPE: DNA ORGANISM: Homo sapiens
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US-09-864-761-16305
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US-09-918-995-3342
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Best Local S:
Matches 268
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GENERAL INCOMENTION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
ITILE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT FILING DATE: 2002-04-30
FRICH FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-12
PRIOR PLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR PLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR PLICATION NUMBER: US 60/195,218
PRIOR PLICATION NUMBER: US 60/195,218
PRIOR PLICATION NUMBER: US 60/195,318
PRIOR PLING DATE: 2000-02-24
PRIOR PLING DATE: 1999-11-23
PRIOR PLING DATE: 1999-09-28
PRIOR PLING DATE: 1999-09-28
PRIOR PLING DATE: 1999-09-28
PRIOR PLING DATE: 1999-09-08-09
PRIOR PLING DATE: 1999-08-09
PRIOR PLING DATE: 1999-08-09
PRIOR FILING DATE: 1999-08-09
SOFTWARE PRECED TO NOWERE: US 60/146,002
PRIOR FILING DATE: 1999-08-09
SOFTWARE PRICE PRIOR OF WINDOWS VETBION 4.0
SOFTWARE PRICES PRECED FOR WINDOWS VETBION 4.0
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2.0%; Score 25; DB 9; Length 357;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 25; Conservative 0; Mismatches 0; Indels
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR APPLICATION NUMBER: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2000-09-21
PRIOR PILING DATE: 2000-09-21
PRIOR PILING DATE: 2000-06-30
PRIOR PILING DATE: 2000-06-30
PRIOR PILING DATE: 2000-06-30
PRIOR PILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR PILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SEQ ID NO 16653
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CTHER INFORMATION: MAP TO AF064857.1
CTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 0.93
US-09-864-761-16653
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              42 AGGATTTCGTATTCAATTTCAAAAG 66
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ORGANISM: Homo sapiens
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US-10-027-632-255100
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j Patent No. US20020048763A1

j GENERAL INFORMATION

j GENERAL INFORMATION

j APPLICANT: Rank, David R.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David R.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

TITLE OF INVENTION: GENE EXPRESSION AMALYSIS BY MICROARRAY

TILLE REFERENCE: Aeomica-X.

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT APPLICATION NUMBER: US 60/180,312

PRIOR PILING DATE: 2000-02-04

PRIOR PILING DATE: 2000-06-26

PRIOR PILING DATE: 2000-06-26

PRIOR PILING DATE: 2000-06-03

PRIOR FILING DATE: 2000-09-03

PRIOR FILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-09-27

PRIOR FILING DATE: 2000-10-04

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PRIOR PRIOR PLING DATE: 2000-10-04
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 223 CATGTGGGCTCTCAGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCAC 282
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OTHER INFORMATION: MAP TO AF121782.1

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
US-09-864-761-16305
                                   PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/USO1/00663

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/USO1/00661

PRIOR APPLICATION NUMBER: PCT/USO1/00670

PRIOR APPLICATION NUMBER: US 60/234,687

PRIOR FILING DATE: 2000-09-21

PRIOR FILING DATE: 2000-09-21

PRIOR FILING DATE: 2000-06-30

PRIOR FILING DATE: 2000-06-30

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: US 69/608,408

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: US 69/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 49117

SOFTWARE Annomax Sequence Listing Engine vers: 1.1

SEQ ID NO 16305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11.6%; Score 144; DB 9; L
100.0%; Pred. No. 2.4e-64;
tive 0; Mismatches 0;
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Matches 144; Conservative
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APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT FILING DATE: 2002-04-30
FRIOR APPLICATION NUMBER: US 60/218,006
PRIOR PLING DATE: 2000-07-20
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-02-24
PRIOR FILING DATE: 1990-03-28
PRIOR FILING DATE: 1999-01-12-3
PRIOR FILING DATE: 1999-01-23
PRIOR FILING DATE: 1999-09-28
PRIOR FILING DATE: 1999-09-28
PRIOR FILING DATE: 1999-09-28
PRIOR FILING DATE: 1999-09-28
PRIOR FILING DATE: 1999-08-09
PRIOR FILING DATE: 1999-08-09
SOFTWARE: FastSEQ for Windows Version 4.0
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Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
                                                                                                                                                                                                                                                                                                                                                1.9%; Score 24; DB 13; Length 1078; 100.0%; Pred. No. 0.14; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.9%; Score 24; DB 16; Length 1078;
.00.0%; Pred. No. 0.14;
                  PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-09-28
NUMBER OF SEQ ID NOS: 325720
SEQ ID NO 255102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
  PRIOR APPLICATION NUMBER: US 60/167,363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 255100, Application US/10027632; Publication No. US20030204075A9; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30 AGTITCCTAGGCTGCCATAACAAA 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30 AGTITCCTAGGCTGCCATAACAAA 53
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                                                                                                                                                                                                                                                                                                                                                                                                    24; Conservative
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Best Local Similarity
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                                                                                                                                                                                                                                                      TYPE: DNA
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APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
ITILE OF INVENTION: Learnification and Mapping of Single Nucleotide
FILE REFERENCE: 10827.129

CURRENT FILING DATE: 2002-04-30

PRIOR PLICATION NUMBER: US 60/218,006

PRIOR PLICATION NUMBER: US 60/198,676

PRIOR FILING DATE: 2000-04-20

PRIOR PLING DATE: 2000-04-20

PRIOR PLING DATE: 2000-04-20

PRIOR PLING DATE: 2000-03-24

PRIOR PLING DATE: 2000-03-24

PRIOR FILING DATE: 1999-11-23

PRIOR FILING DATE: 1999-11-23

PRIOR FILING DATE: 1999-10-28

PRIOR FILING DATE: 1999-10-28

PRIOR FILING DATE: 1999-10-28

PRIOR FILING DATE: 1999-09-28

PRIOR FILING DATE: 1999-09-28

PRIOR FILING DATE: 1999-09-80

PRIOR APPLICATION NUMBER: US 60/146,002

PRIOR PRIOR DATE: 1999-09-80

PRIOR APPLICATION NUMBER: US 60/146,002

PRIOR PLING DATE: 1999-09-80

NUMBER OF SEQ ID NOS: 325720

SOFTWARE: FRASERQ for Windows Version 4.0

SEQ ID NO 255101

LENGTH: 1078
                                                                                                                            Gaps
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 10827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
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                                                                     DB 13; Length 1078; 0.14;
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                                                                   1.9%; Score 24; DB
100.0%; Pred. No. 0.1
tive 0; Mismatches
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PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR PILING DATE: 2000-04-20
PRIOR PELING DATE: 2000-04-20
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-29
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100.0%; Pred. No.
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Publication No. US20020198371A1
GENERAL INFORMATION:
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Publication No. US20020198371A1
GENERAL INFORMATION:
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                                              Query Match
Best Local Similarity 100.0
Matches 24; Conservative
     ; OKGANISH: 110-027-055100
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US-10-027-632-255101
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ORGANISM: Human
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871 AGTITCCTAGGCTGCCATAACAAA 894
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US-10-027-632-257899
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Fublication No. US20030204075A9
Fublication No. US20030204075A9
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Fublication No. US20030204075A9
Fublication No. US20030204075A9
Fublication No. US20030204075A9
Fublication No. Identification and Mapping of Single Nucleotide
Fublication Number: US2002-04-30
FURRENT FILING DATE: 2002-04-30
FURRENT FILING DATE: 2000-07-12
FRIOR FILING DATE: 2000-07-12
FRIOR FILING DATE: 2000-07-12
FRIOR FILING DATE: 2000-03-29
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                           CURRENT FILING DATE: 2002-04-30
PRIOR PLING DATE: 2002-04-30
PRIOR PLLING DATE: 2002-04-30
PRIOR PLLING DATE: 2000-07-12
PRIOR PLING DATE: 2000-07-12
PRIOR FLING DATE: 2000-04-20
PRIOR FLING DATE: 2000-04-20
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-03-29
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PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 1999-10-24
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-10-24
PRIOR PLING DATE: 1999-10-24
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Best Local Similarity
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US-10-027-632-255101
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30 AGTITCCTAGGCTGCCATAACAAA

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Sequence 257899, Application US/10027632; Publication No. US20020198371A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: OPOlymorphisms in the Human Genome
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-03-29
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Dolymorphisms in the Human Genome
FILE REPERBNCE: 108827.129
CURRENT FILING DATE: 2002-04-30
CURRENT FILING DATE: 2000-07.12
FRIOR APPLICATION NUMBER: US 60/218,006
FRIOR APPLICATION NUMBER: US 60/198,676
FRIOR PILING DATE: 2000-04-20
FRIOR PAPLICATION NUMBER: US 60/193,483
FRIOR PILING DATE: 2000-04-20
FRIOR APPLICATION NUMBER: US 60/185,218
FRIOR PAPLICATION NUMBER: US 60/185,218
FRIOR PAPLICATION NUMBER: US 60/167,363
FRIOR FILING DATE: 2000-02-24
FRIOR FILING DATE: 1909-11-23
FRIOR APPLICATION NUMBER: US 60/167,363
FRIOR FILING DATE: 1999-11-23
FRIOR APPLICATION NUMBER: US 60/166,358
FRIOR FILING DATE: 1999-09-28
FRIOR FILING DATE: 1999-09-28
FRIOR FILING DATE: 1999-09-28
FRIOR FILING DATE: US 60/146,002
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Pred. No. 0.14;
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LOCATION: (1).T.(1121)
OTHER INFORMATION: n = A,T,C or G
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RESULT 15
US-09-220-65
US-09-220-520-65
Sequence 65, Application US/09220920
Patent No. US20020002269A1
GENERAL INFORMATION:
APPLICANT: Milbrandt, Jeffrey D.
APPLICANT: Milbrandt, Jeffrey D.
TITLE OF INVENTION: Attemin, A No. US20020002269A1e1 Neurotrophic Factor
FILE OF INVENTION NUMBER: US/09/220,920
CURRENT APPLICATION NUMBER: US/09/220,920
CURRENT FILING DATE: 1998-12-24
EARLIER APPLICATION NUMBER: 60/108,148
EARLIER FILING DATE: 1998-11-12
EARLIER FILING DATE: 1998-11-12
EARLIER FILING DATE: 1998-12-24
EARLIER FILING DATE: 1998-12-22
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Pred. No. 1.5;
0; Mismatches 0; Indels
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                                                                                   APPLICANT: Kricker, Maia
APPLICANT: Slader, Ted
APPLICANT: Davis, Keith R.
APPLICANT: Davis, Keith R.
APPLICANT: Allen, Keith R.
APPLICANT: Hubban, Neil
APPLICANT: Hubban, Patrick
TITLE OF INVENTION: Expressed Sequences of Arabidopsis;
TITLE OF INVENTION: Lhaliana
FILE REFERENCE: 2023US (PRAA-012PRV)
CURRENT APPLICANTION NUMBER: US/99/770,445
CURRENT APPLICATION NUMBER: US 60/178,472
PRIOR FILING DATE: 2001-01-26
PRIOR FILING DATE: 2000-01-27
NUMBER OF SEQ ID NOS: 999
SOFTWARE: FastSEQ for Windows Version 4.0
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Local Similarity 100.0%; P.
Nes 22; Conservative 0;
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                                                                     Garcia, Carlos A.
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SEQ ID NO 65
LENGTH: 1203
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US-09-220-920-65
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LENGTH: 767
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; Sequence 81822, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wai

APPLICANT: Wu, Wai
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; APPLICANT: Wu, Wai
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
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US-10-437-963-81852
                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
1.9%; Score 24; DB
Best Local Similarity 100.0%; Pred. No. 0.1
Matches 24; Conservative 0; Mismatches
                          NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 257899
LENGTH: 1121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   915 AGTTTCCTAGGCTGCCATAACAAA 938
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Patent No. US2002023281A1
GENERAL INFORMATION:
APPLICANT: Gorlach, Jorn
APPLICANT: An, Yong-Qiang
                                                                                                                                                                                                                                                      | NAME/KEY: misc_feature
| LOCATION: (1)...(1121)
| CTHER INFORMATION: n = A,T,C or G
| US-10-027-632-257899
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An, Yong-Qiang
Hamilton, Carol M.
Price, Jennifer L.
Raines, Tracy M.
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Matthew, Abraham V.
Ledford, Brooke L.
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Rameaka, Joshua G.
PRIOR FILING DATE: 1999-08-09
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Matches 23; Conservative
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ORGANISM: Oryza sativa
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US-10-437-963-81852/c
                                                                                                                                                         TYPE: DNA
ORGANISM: Human
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US-09-770-445-930
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